**STL Edison**
777 New Durham Road
Edison, NJ 08817

Tel 732 549 3900 Fax 732 549 3679
www.stl-inc.com

04/24/2006

ENSR Consulting & Engineering - NJ
20 New England Ave
Piscataway, NJ 08854

Attention: Mr. Greg Micalizio

Laboratory Results
Job No. Q266 - Phillipsburg

Dear Mr. Micalizio:

Enclosed are the results you requested for the following sample(s) received at our laboratory on April 11, 2006.

| Lab No. | Client ID | Analysis Required |
|---|---|---|
| 725183 | 441LOCK | 524.2 |

An invoice for our services is also enclosed. If you have any questions please contact your Project Manager, David Lissy, at (732) 549-3900.

Very Truly Yours,

Michael J. Urban
Laboratory Manager

## Analytical Results Summary

Client ID: **441LOCK**
Site: Phillipsburg

Lab Sample No: **725183**
Lab Job No: Q266

Date Sampled: 04/11/06
Date Received: 04/11/06
Date Analyzed: 04/13/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e41280.d

Matrix: WATER
Level: DW
Purge Volume: 25.0 ml
Dilution Factor: 1.0

**VOLATILE ORGANICS - GC/MS**
**METHOD 524.2**

| Parameter | Analytical Result Units: ug/l | Quantitation Limit Units: ug/l |
|---|---|---|
| Dichlorodifluoromethane | ND | 0.5 |
| Chloromethane | ND | 0.5 |
| Vinyl Chloride | ND | 0.5 |
| Bromomethane | ND | 0.5 |
| Chloroethane | ND | 0.5 |
| Trichlorofluoromethane | ND | 0.5 |
| 1,1-Dichloroethene | ND | 0.5 |
| Methylene Chloride | ND | 0.5 |
| trans-1,2-Dichloroethene | ND | 0.5 |
| 1,1-Dichloroethane | ND | 0.5 |
| cis-1,2-Dichloroethene | ND | 0.5 |
| 2,2-Dichloropropane | ND | 0.5 |
| Bromochloromethane | ND | 0.5 |
| Chloroform | ND | 0.5 |
| 1,1,1-Trichloroethane | ND | 0.5 |
| 1,1-Dichloropropene | ND | 0.5 |
| Carbon Tetrachloride | ND | 0.5 |
| Benzene | ND | 0.5 |
| 1,2-Dichloroethane | ND | 0.5 |
| Trichloroethene | 0.6 | 0.5 |
| 1,2-Dichloropropane | ND | 0.5 |
| Dibromomethane | ND | 0.5 |
| Bromodichloromethane | ND | 0.5 |
| cis-1,3-Dichloropropene | ND | 0.5 |
| Toluene | ND | 0.5 |
| trans-1,3-Dichloropropene | ND | 0.5 |
| 1,1,2-Trichloroethane | ND | 0.5 |
| Tetrachloroethene | ND | 0.5 |
| 1,3-Dichloropropane | ND | 0.5 |
| Dibromochloromethane | ND | 0.5 |
| 1,2-Dibromoethane | ND | 0.5 |
| Chlorobenzene | ND | 0.5 |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 |
| Ethylbenzene | ND | 0.5 |

Client ID: **441LOCK**
Site: Phillipsburg

Lab Sample No: **725183**
Lab Job No: Q266

Date Sampled: 04/11/06
Date Received: 04/11/06
Date Analyzed: 04/13/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e41280.d

Matrix: WATER
Level: DW
Purge Volume: 25.0 ml
Dilution Factor: 1.0

**VOLATILE ORGANICS - GC/MS (cont'd)**
**METHOD 524.2**

| Parameter | Analytical Result Units: ug/l | Quantitation Limit Units: ug/l |
|---|---|---|
| Xylene (Total) | ND | 0.5 |
| Styrene | ND | 0.5 |
| Bromoform | ND | 0.5 |
| Isopropylbenzene | ND | 0.5 |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 |
| Bromobenzene | ND | 0.5 |
| 1,2,3-Trichloropropane | ND | 0.5 |
| n-Propylbenzene | ND | 0.5 |
| 2-Chlorotoluene | ND | 0.5 |
| 1,3,5-Trimethylbenzene | ND | 0.5 |
| 4-Chlorotoluene | ND | 0.5 |
| tert-Butylbenzene | ND | 0.5 |
| 1,2,4-Trimethylbenzene | ND | 0.5 |
| sec-Butylbenzene | ND | 0.5 |
| m-Dichlorobenzene | ND | 0.5 |
| 4-Isopropyltoluene | ND | 0.5 |
| p-Dichlorobenzene | ND | 0.5 |
| n-Butylbenzene | ND | 0.5 |
| o-Dichlorobenzene | ND | 0.5 |
| 1,2-Dibromo-3-Chloropropane | ND | 1.0 |
| 1,2,4-Trichlorobenzene | ND | 0.5 |
| Hexachlorobutadiene | ND | 0.5 |
| Naphthalene | ND | 0.5 |
| 1,2,3-Trichlorobenzene | ND | 0.5 |
| MTBE | ND | 0.5 |

Client ID: **441LOCK**
Site: Phillipsburg

Lab Sample No: **725183**
Lab Job No: Q266

Date Sampled: 04/11/06
Date Received: 04/11/06
Date Analyzed: 04/13/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e41280a.d

Matrix: WATER
Level: DW
Purge Volume: 25.0 ml
Dilution Factor: 1.0

**VOLATILE ORGANICS - GC/MS**
**METHOD 524.2**

| Parameter | Analytical Result Units: ug/l | Quantitation Limit Units: ug/l |
|---|---|---|
| Acetone | ND | 2.5 |
| 2-Butanone | ND | 2.5 |
| 4-Methyl-2-pentanone | ND | 2.5 |
| 2-Hexanone | ND | 2.5 |
| Carbon Disulfide | ND | 2.5 |
| Diethyl Ether | ND | 2.5 |
| Iodomethane | ND | 2.5 |
| Allyl Chloride | ND | 2.5 |
| Acrylonitrile | ND | 25 |
| Propionitrile | ND | 25 |
| Methyl Acrylate | ND | 2.5 |
| Methacrylonitrile | ND | 2.5 |
| Tetrahydrofuran | ND | 2.5 |
| 1-Chlorobutane | ND | 2.5 |
| Methyl Methacrylate | ND | 2.5 |
| 2-Nitropropane | ND | 25 |
| Chloroacetonitrile | ND | 25 |
| 1,1-Dichloropropanone | ND | 2.5 |
| Ethyl Methacrylate | ND | 2.5 |
| trans-1,4-Dichloro-2-butene | ND | 2.5 |
| Pentachloroethane | ND | 2.5 |
| Hexachloroethane | ND | 2.5 |
| Nitrobenzene | ND | 25 |

## General Information

Chain of Custody

Q266

# STL EDISON

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

## CHAIN OF CUSTODY / ANALYSIS REQUEST



| | | |
|---|---|---|
| Name (for report and invoice): Greg Nicolizio | Sampler's Name (Printed): Nadia Oliveira | Site/Project Identification: FR - Phillipsburg, NJ |
| Company: ENSR | P.O. #: 2037752 | State (Location of Site): NJ: ☒ NY: ☐ Other: |
| | | Regulatory Program: IGRA |
| Address: 20 New England Ave | Analysis Turnaround Time: Standard ☐ | |
| City: Piscataway State: NJ Zip: 08854 | Rush Charges Authorized For: 1 Week ☐ 3 Day ☐ Other ☒ 48HR | |
| Phone: 732-981-0200 Fax: 981-0116 | | |

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

| Sample Identification | Date | Time | Matrix | No. of Cont. | VOC via 524.2 | LAB USE ONLY Sample Numbers |
|---|---|---|---|---|---|---|
| 4 1 L O C K | 4/11/06 | 1053 | DW | 5 | X | 725183 |

**Preservation Used:** 1 = ICE, 2 = HCl, 3 = $H_2SO_4$, 4 = $HNO_3$, 5 = NaOH 6 = Other _____, 7 = Other _____

Soil:

Water: 1,2

**Special Instructions** _____ Cooler Temp: _____ Water Metals Filtered (Yes/No)? _____ 1°C

| Relinquished by | Company | Date/Time | Received by | Company |
|---|---|---|---|---|
| 1. | ENSR | 4/11/06 1330 | | STL |
| 2. | STL | 4-11-06 1615 | | STL |
| 3. | | | | |
| 4. | | | | |

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

STL-6003

STL Edison

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Laboratory Chronicles

**INTERNAL CUSTODY RECORD**
**AND**
**LABORATORY CHRONICLE**
**STL Edison**

**777 New Durham Road, Edison, New Jersey**
**08817**

**Job No:** Q266 **Site:** Phillipsburg

**Client:** ENSR Consulting & Engineering - NJ

**VOAMS**

**WATER - 524.2**

| Lab Sample ID | Date Sampled | Date Received | Preparation Date | Technician's Name | Analysis Date | Analyst's Name | QA Batch |
|---|---|---|---|---|---|---|---|
| 725183 | 4/11/2006 | 4/11/2006 | | | 4/13/2006 | Deng, Lily | 1741 |
| 725183 | 4/11/2006 | 4/11/2006 | | | 4/13/2006 | Deng, Lily | 1743 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Methodology Review

## Analytical Methodology Summary

Volatile Organics:

Unless otherwise specified, water samples are analyzed for volatile organics by purge and trap GC/MS as specified in EPA Method 624. Drinking water samples are analyzed by EPA Method 524.2 Rev 4.1. Solid samples are analyzed for volatile organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8260B.

Acid and Base/Neutral Extractable Organics:

Unless otherwise specified, water samples are analyzed for acid and/or base/neutral extractable organics by GC/MS in accordance with EPA Method 625. Solids are analyzed for acid and/or base/neutral extractable organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8270C.

GC/MS Nontarget Compound Analysis:

Analysis for nontarget compounds is conducted, upon request, in conjunction with GC/MS analyses by EPA Methods 624, 625, 8260B and 8270C. Nontarget compound analysis is conducted using a forward library search of the EPA/NIH/NBS mass spectral library of compounds at the greatest apparent concentration (10% or greater of the nearest internal standard) in each organic fraction (15 for volatile, 15 for base/neutrals and 10 for acid extractables).

Organochlorine Pesticides and PCBs:

Unless otherwise specified, water samples are analyzed for organochlorine pesticides and PCBs by dual column gas chromatography with electron capture detectors as specified in EPA Method 608. Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8081A for organochlorine pesticides and Method 8082 for PCBs.

Total Petroleum Hydrocarbons:

Water samples are analyzed for petroleum hydrocarbons by I.R. using EPA Method 418.1. Solid samples are prepared for analysis by soxhlet extraction consistent with the March 1990 N.J. DEP "Remedial Investigation Guide" Appendix A, page 52, and analyzed by U.S. EPA Method 418.1

Metals Analysis:

Metals analyses are performed by any of four techniques specified by a Method Code provided on each data report page, as follows:

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP)

A - Flame Atomic Absorption

F - Furnace Atomic Absorption

CV - Manual Cold Vapor (Mercury)

Water samples are digested and analyzed using EPA methods provided in “Methods for Chemical Analysis of Water and Wastewater” (EPA 600/4-79-020). Solid samples are analyzed as specified in the EPA publication “Test Methods for Evaluating Solid Waste” (SW-846, 3rd Edition); samples are digested according to Method 3050B “Acid Digestion of Soil, Sediments and Sludges.”

Specific method references for ICP analyses are water Method - 200.7/SW846 6010B and for solid matrix - 6010B. Mercury analyses are conducted by the manual cold vapor technique specified by water Method 245.1/7470A and solid Method 7471A. Other specific Atomic Absorption method references are as follows:

| Element | Water Test Method Furnace | Solid Test Method Furnace |
|---|---|---|
| Antimony | 200.9 | 7041 |
| Arsenic | 200.9 | 7060A |
| Cadmium | 200.9 | 7131A |
| Lead | 200.9 | 7421 |
| Selenium | 200.9 | 7740 |
| Thallium | 200.9 | 7841 |

Cyanide:

Water samples are analyzed for cyanide using EPA Method 335.3. Cyanide is determined in solid samples as specified in the EPA Contract Laboratory Program IFB dated July 1988, revised February 1989.

Phenols:

Water samples are analyzed for total phenols using EPA Method 420.2. Total phenols are determined in water and solid samples by preparing the sample as outlined in the EPA Contract Laboratory Program IFB for cyanide, followed by a phenols determination using EPA Method 420.1.

Hexavalent Chromium:

Water samples are analyzed using EPA Method 7196A, EPA Method 7199 or (upon request) USGS –1230-35. Soil samples are subjected to alkaline digestion via EPA Method 3060A prior to analysis by EPA Method 7196A or EPA Method 7199.

Cleanup of Semivolatile Extracts:

Upon request Method 3611B Alumina Column Cleanup and/or Method 3650B Acid-Base Partition Cleanup are performed to improve detection limits by the removal of saturated hydrocarbon interferences.

Hazardous Waste Characteristics:

Samples for hazardous waste characteristics are analyzed as specified in the U.S. EPA publication “Test Methods for Evaluating Solid Waste” (SW-846, 3rd Edition). Specific method references are as follows:

Ignitability - Method 1020A

Corrosivity - Water pH Method 9040B
Soil pH Method 9045C

Reactivity - Chapter 7, Section 7.3.3 and 7.3.4 respectively for hydrogen cyanide and hydrogen sulfide release

Toxicity - TCLP Method 1311

Miscellaneous Parameters:

Additional analyses performed on both aqueous and solid samples are in accordance with methods published in the following references:

- Test Methods for Evaluating Solid Wastes, SW-846 3rd Edition, November 1986.
- Standard Methods for the Examination of Water and Wastewater, 18th Edition.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1979.

Data Reporting Qualifiers

## DATA REPORTING QUALIFIERS

ND - The compound was not detected at the indicated concentration.

J - Mass spectral data indicates the presence of a compound that meets the identification criteria. The result is less than the specified detection limit but greater than zero. The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

Non-Conformance Summary

# Nonconformance Summary

**STL Edison Job Number:** Q266

**Client:** ENSR Consulting & Engineering - NJ

**Date:** 4/21/2006

**Sample Receipt:**

Sample delivery conforms with requirements.

**Volatile Organic Analysis (GC/MS):**

All data conforms with method requirements.

I certify that the test results contained in this data package meet all requirements of NELAC both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Michael J.Urban
Laboratory Manager

## GC/MS Forms and Data (Volatiles)

Results Summary and Chromatograms

Client ID: **441LOCK**
Site: Phillipsburg

Lab Sample No: **725183**
Lab Job No: Q266

Date Sampled: 04/11/06
Date Received: 04/11/06
Date Analyzed: 04/13/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e41280.d

Matrix: WATER
Level: DW
Purge Volume: 25.0 ml
Dilution Factor: 1.0

**VOLATILE ORGANICS - GC/MS**
**METHOD 524.2**

| Parameter | Analytical Result Units: ug/l | Quantitation Limit Units: ug/l |
|---|---|---|
| Dichlorodifluoromethane | ND | 0.5 |
| Chloromethane | ND | 0.5 |
| Vinyl Chloride | ND | 0.5 |
| Bromomethane | ND | 0.5 |
| Chloroethane | ND | 0.5 |
| Trichlorofluoromethane | ND | 0.5 |
| 1,1-Dichloroethene | ND | 0.5 |
| Methylene Chloride | ND | 0.5 |
| trans-1,2-Dichloroethene | ND | 0.5 |
| 1,1-Dichloroethane | ND | 0.5 |
| cis-1,2-Dichloroethene | ND | 0.5 |
| 2,2-Dichloropropane | ND | 0.5 |
| Bromochloromethane | ND | 0.5 |
| Chloroform | ND | 0.5 |
| 1,1,1-Trichloroethane | ND | 0.5 |
| 1,1-Dichloropropene | ND | 0.5 |
| Carbon Tetrachloride | ND | 0.5 |
| Benzene | ND | 0.5 |
| 1,2-Dichloroethane | ND | 0.5 |
| Trichloroethene | 0.6 | 0.5 |
| 1,2-Dichloropropane | ND | 0.5 |
| Dibromomethane | ND | 0.5 |
| Bromodichloromethane | ND | 0.5 |
| cis-1,3-Dichloropropene | ND | 0.5 |
| Toluene | ND | 0.5 |
| trans-1,3-Dichloropropene | ND | 0.5 |
| 1,1,2-Trichloroethane | ND | 0.5 |
| Tetrachloroethene | ND | 0.5 |
| 1,3-Dichloropropane | ND | 0.5 |
| Dibromochloromethane | ND | 0.5 |
| 1,2-Dibromoethane | ND | 0.5 |
| Chlorobenzene | ND | 0.5 |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 |
| Ethylbenzene | ND | 0.5 |

Client ID: **441LOCK**
Site: Phillipsburg

Lab Sample No: **725183**
Lab Job No: Q266

Date Sampled: 04/11/06
Date Received: 04/11/06
Date Analyzed: 04/13/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e41280.d

Matrix: WATER
Level: DW
Purge Volume: 25.0 ml
Dilution Factor: 1.0

**VOLATILE ORGANICS - GC/MS (cont'd)**
**METHOD 524.2**

| Parameter | Analytical Result Units: ug/l | Quantitation Limit Units: ug/l |
|---|---|---|
| Xylene (Total) | ND | 0.5 |
| Styrene | ND | 0.5 |
| Bromoform | ND | 0.5 |
| Isopropylbenzene | ND | 0.5 |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 |
| Bromobenzene | ND | 0.5 |
| 1,2,3-Trichloropropane | ND | 0.5 |
| n-Propylbenzene | ND | 0.5 |
| 2-Chlorotoluene | ND | 0.5 |
| 1,3,5-Trimethylbenzene | ND | 0.5 |
| 4-Chlorotoluene | ND | 0.5 |
| tert-Butylbenzene | ND | 0.5 |
| 1,2,4-Trimethylbenzene | ND | 0.5 |
| sec-Butylbenzene | ND | 0.5 |
| m-Dichlorobenzene | ND | 0.5 |
| 4-Isopropyltoluene | ND | 0.5 |
| p-Dichlorobenzene | ND | 0.5 |
| n-Butylbenzene | ND | 0.5 |
| o-Dichlorobenzene | ND | 0.5 |
| 1,2-Dibromo-3-Chloropropane | ND | 1.0 |
| 1,2,4-Trichlorobenzene | ND | 0.5 |
| Hexachlorobutadiene | ND | 0.5 |
| Naphthalene | ND | 0.5 |
| 1,2,3-Trichlorobenzene | ND | 0.5 |
| MTBE | ND | 0.5 |

Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41280.d
Report Date: 19-Apr-2006 10:20

STL Edison

VOLATILE ORGANICS- METHOD 524.2

Data file : /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41280.d
Lab Smp Id: 725183 Client Smp ID: 441LOCK
Inj Date : 13-APR-2006 16:07
Operator : VOAMS 5 Inst ID: VOAMS5.i
Smp Info : 725183
Misc Info : Q266;1741;;LD
Comment :
Method : /chem/VOAMS5.i/524/04-13-06/13apr06.b/524_2_05.m
Meth Date : 19-Apr-2006 10:20 lily Quant Type: ISTD
Cal Date : 13-APR-2006 10:25 Cal File: e41269.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 524.sub
Target Version: 3.50
Processing Host: hpd2

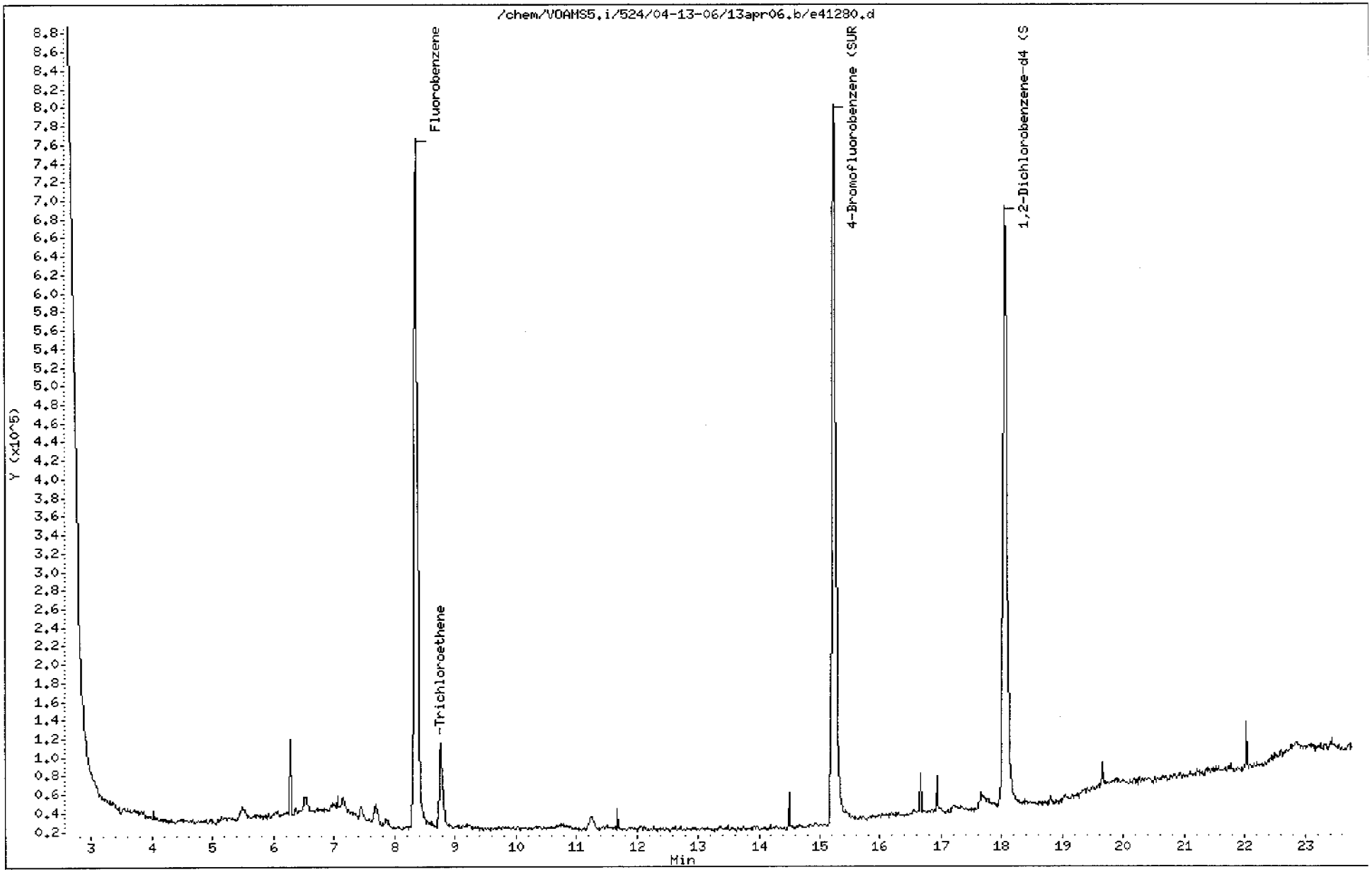
Concentration Formula: Amt * DF * 25/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 25.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| * 2 Fluorobenzene | 96 | 8.355 | 8.343 | (1.000) | 1354566 | 5.00000 | |
| 21 Trichloroethene | 95 | 8.766 | 8.757 | (1.049) | 69346 | 0.59526 | 0.60 |
| $ 42 4-Bromofluorobenzene (SUR) | 95 | 15.227 | 15.215 | (1.822) | 766966 | 4.95411 | 5.0 |
| $ 57 1,2-Dichlorobenzene-d4 (SUR) | 152 | 18.044 | 18.045 | (2.160) | 438652 | 4.90715 | 4.9 |

Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41280.d
Date : 13-APR-2006 16:07
Client ID: 441LOCK
Instrument: VOAMS5.i
Sample Info: 725183
Purge Volume: 25.0
Operator: VOAMS 5
Column phase: DB624
Column diameter: 0.53



Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41280.d

Date : 13-APR-2006 16:07

Client ID: 441LOCK

Instrument: VOAMS5.i

Sample Info: 725183

Purge Volume: 25.0

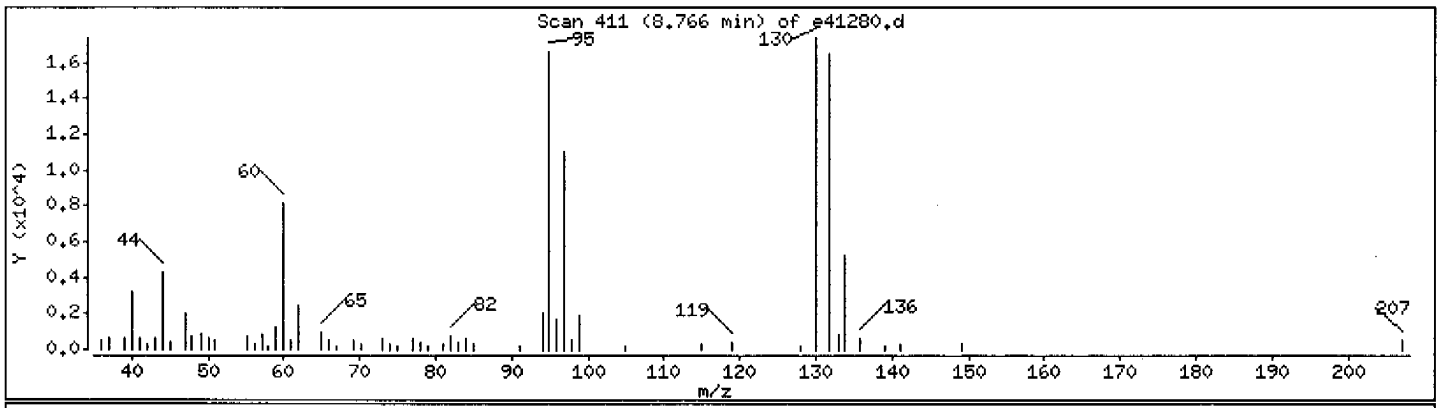
Operator: VOAMS 5

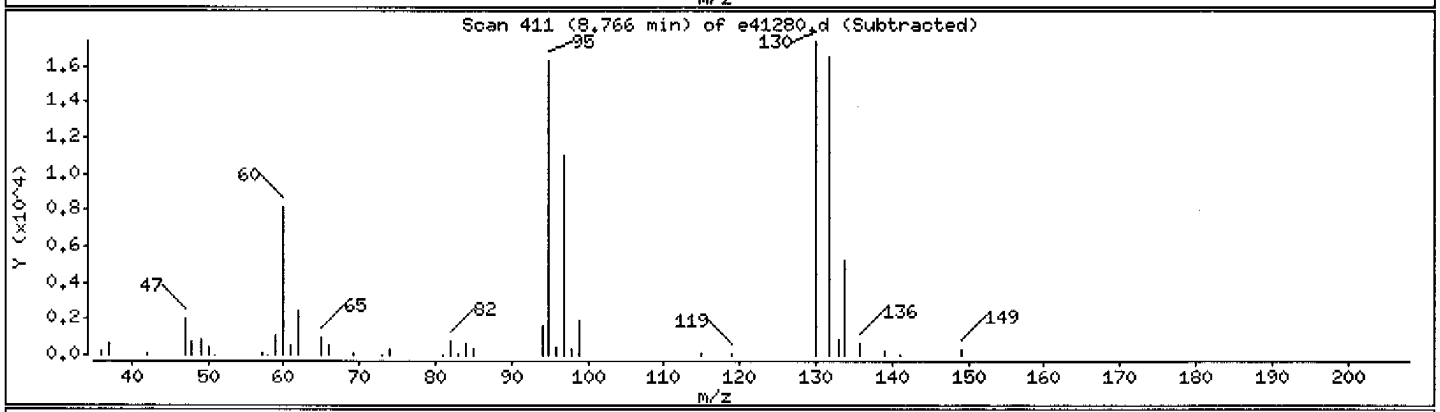
Column phase: DB624

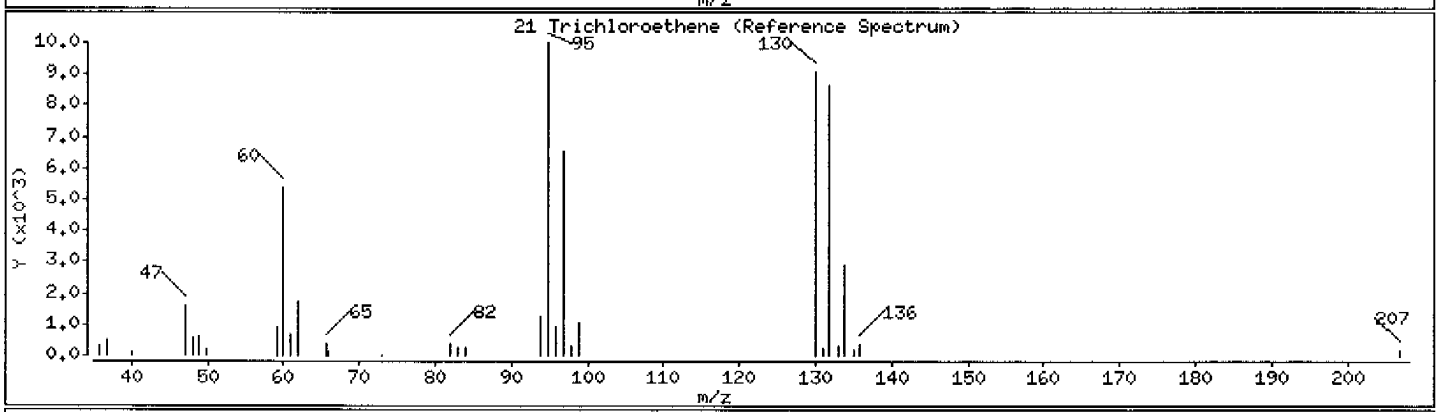
Column diameter: 0.53

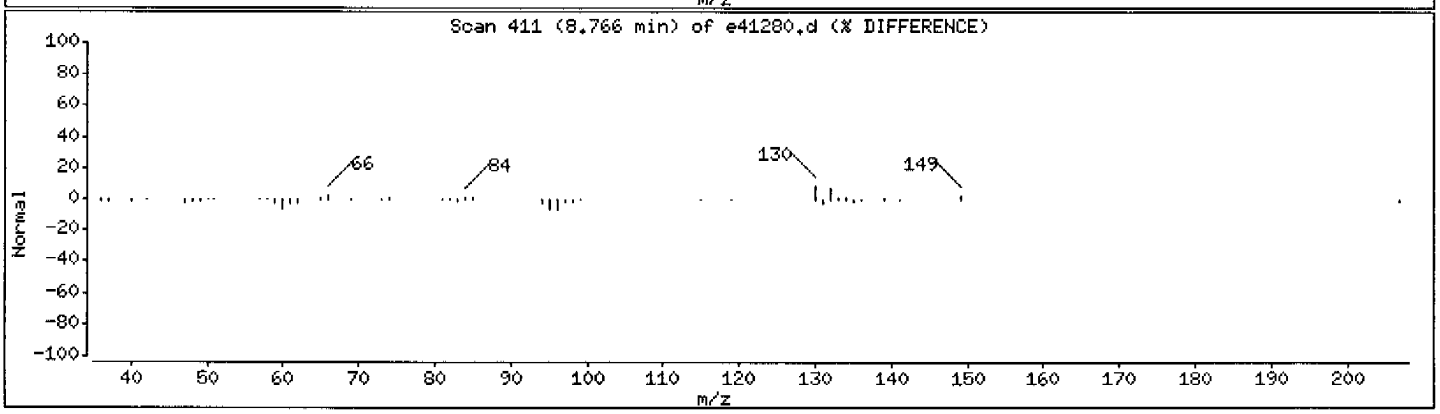
21 Trichloroethene

Concentration: 0.60 ug/L



Client ID: **441LOCK**
Site: Phillipsburg

Lab Sample No: **725183**
Lab Job No: Q266

Date Sampled: 04/11/06
Date Received: 04/11/06
Date Analyzed: 04/13/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e41280a.d

Matrix: WATER
Level: DW
Purge Volume: 25.0 ml
Dilution Factor: 1.0

**VOLATILE ORGANICS - GC/MS**
**METHOD 524.2**

| Parameter | Analytical Result Units: ug/l | Quantitation Limit Units: ug/l |
|---|---|---|
| Acetone | ND | 2.5 |
| 2-Butanone | ND | 2.5 |
| 4-Methyl-2-pentanone | ND | 2.5 |
| 2-Hexanone | ND | 2.5 |
| Carbon Disulfide | ND | 2.5 |
| Diethyl Ether | ND | 2.5 |
| Iodomethane | ND | 2.5 |
| Allyl Chloride | ND | 2.5 |
| Acrylonitrile | ND | 25 |
| Propionitrile | ND | 25 |
| Methyl Acrylate | ND | 2.5 |
| Methacrylonitrile | ND | 2.5 |
| Tetrahydrofuran | ND | 2.5 |
| 1-Chlorobutane | ND | 2.5 |
| Methyl Methacrylate | ND | 2.5 |
| 2-Nitropropane | ND | 25 |
| Chloroacetonitrile | ND | 25 |
| 1,1-Dichloropropanone | ND | 2.5 |
| Ethyl Methacrylate | ND | 2.5 |
| trans-1,4-Dichloro-2-butene | ND | 2.5 |
| Pentachloroethane | ND | 2.5 |
| Hexachloroethane | ND | 2.5 |
| Nitrobenzene | ND | 25 |

Data File: /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41280a.d
Report Date: 19-Apr-2006 10:23

STL Edison

VOLATILE ORGANICS- METHOD 524.2

Data file : /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41280a.d
Lab Smp Id: 725183 Client Smp ID: 441LOCK
Inj Date : 13-APR-2006 16:07
Operator : VOAMS 5 Inst ID: VOAMS5.i
Smp Info : 725183
Misc Info : Q266;1743;;LD
Comment :
Method : /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/524R4_04.m
Meth Date : 19-Apr-2006 10:22 lily Quant Type: ISTD
Cal Date : 13-APR-2006 12:25 Cal File: e41273.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

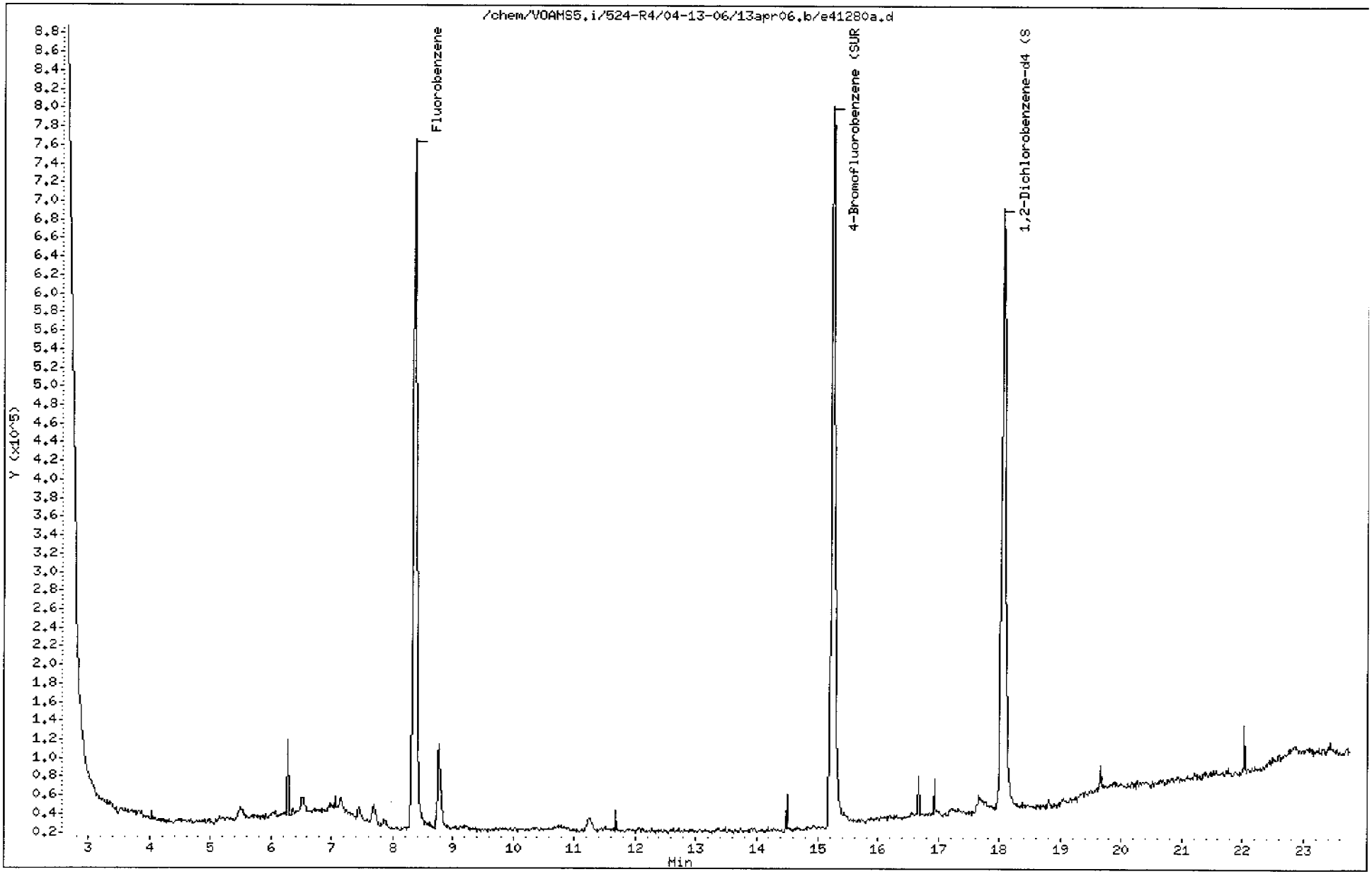
| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 25.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| * 2 Fluorobenzene | 96 | 8.355 | 8.338 | (1.000) | 1376599 | 5.00000 | |
| $ 42 4-Bromofluorobenzene (SUR) | 95 | 15.227 | 15.215 | (1.822) | 766966 | 4.80085 | 4.8 |
| $ 57 1,2-Dichlorobenzene-d4 (SUR) | 152 | 18.044 | 18.037 | (2.160) | 438652 | 4.80465 | 4.8 |

Data File: /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41280a.d
Date : 13-APR-2006 16:07
Client ID: 441LOCK
Sample Info: 725183
Purge Volume: 25.0
Column phase: DB624

Instrument: VOAMS5.i
Operator: VOAMS 5
Column diameter: 0.53



Tuning Results Summary

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: E41264

BFB Injection Date: 04/13/06

Instrument ID: VOAMS5

BFB Injection Time: 0758

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 20.9 |
| 75 | 30.0 - 80.0% of mass 95 | 46.8 |
| 95 | Base Peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 7.1 |
| 173 | Less than 2.0% of mass 174 | 0.0 ( 0.0)1 |
| 174 | 50.0 - 100.0% of mass 95 | 66.6 |
| 175 | 5.0 - 9.0% of mass 174 | 5.4 ( 8.1)1 |
| 176 | 95.0 - 101.0% of mass 174 | 64.6 ( 97.0)1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.6 ( 7.1)2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | CLIENT ID | LAB SAMPLE No. | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|---|
| 01 | ESTD005 | ESTD005 | E41265 | 04/13/06 | 0825 |
| 02 | ESTD002 | ESTD002 | E41266 | 04/13/06 | 0855 |
| 03 | ESTD001 | ESTD001 | E41267 | 04/13/06 | 0925 |
| 04 | ESTD040 | ESTD040 | E41268 | 04/13/06 | 0955 |
| 05 | ESTD020 | ESTD020 | E41269 | 04/13/06 | 1025 |
| 06 | 1741BS | 1741BS | E41274 | 04/13/06 | 1303 |
| 07 | EV103 | EV103 | E41276 | 04/13/06 | 1408 |
| 08 | 1741BSD | 1741BSD | E41286 | 04/13/06 | 1906 |
| 09 | | | | | |
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: E41264 BFB Injection Date: 04/13/06

Instrument ID: VOAMS5 BFB Injection Time: 0758

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 20.9 |
| 75 | 30.0 - 80.0% of mass 95 | 46.8 |
| 95 | Base Peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 7.1 |
| 173 | Less than 2.0% of mass 174 | 0.0 ( 0.0)1 |
| 174 | 50.0 - 100.0% of mass 95 | 66.6 |
| 175 | 5.0 - 9.0% of mass 174 | 5.4 ( 8.1)1 |
| 176 | 95.0 - 101.0% of mass 174 | 64.6 ( 97.0)1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.6 ( 7.1)2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | CLIENT ID | LAB SAMPLE No. | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|---|
| 01 | ESTD005 | ESTD005 | E41265 | 04/13/06 | 0825 |
| 02 | ESTD002 | ESTD002 | E41266 | 04/13/06 | 0855 |
| 03 | ESTD001 | ESTD001 | E41267 | 04/13/06 | 0925 |
| 04 | ESTD040 | ESTD040 | E41268 | 04/13/06 | 0955 |
| 05 | ESTD020 | ESTD020 | E41269 | 04/13/06 | 1025 |
| 06 | EV103 | EV103 | E41276 | 04/13/06 | 1408 |
| 07 | 441LOCK | 725183 | E41280 | 04/13/06 | 1607 |
| 08 | | | | | |
| 09 | | | | | |
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Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41264.d

Date : 13-APR-2006 07:58

Client ID:

Instrument: VOAMS5.i

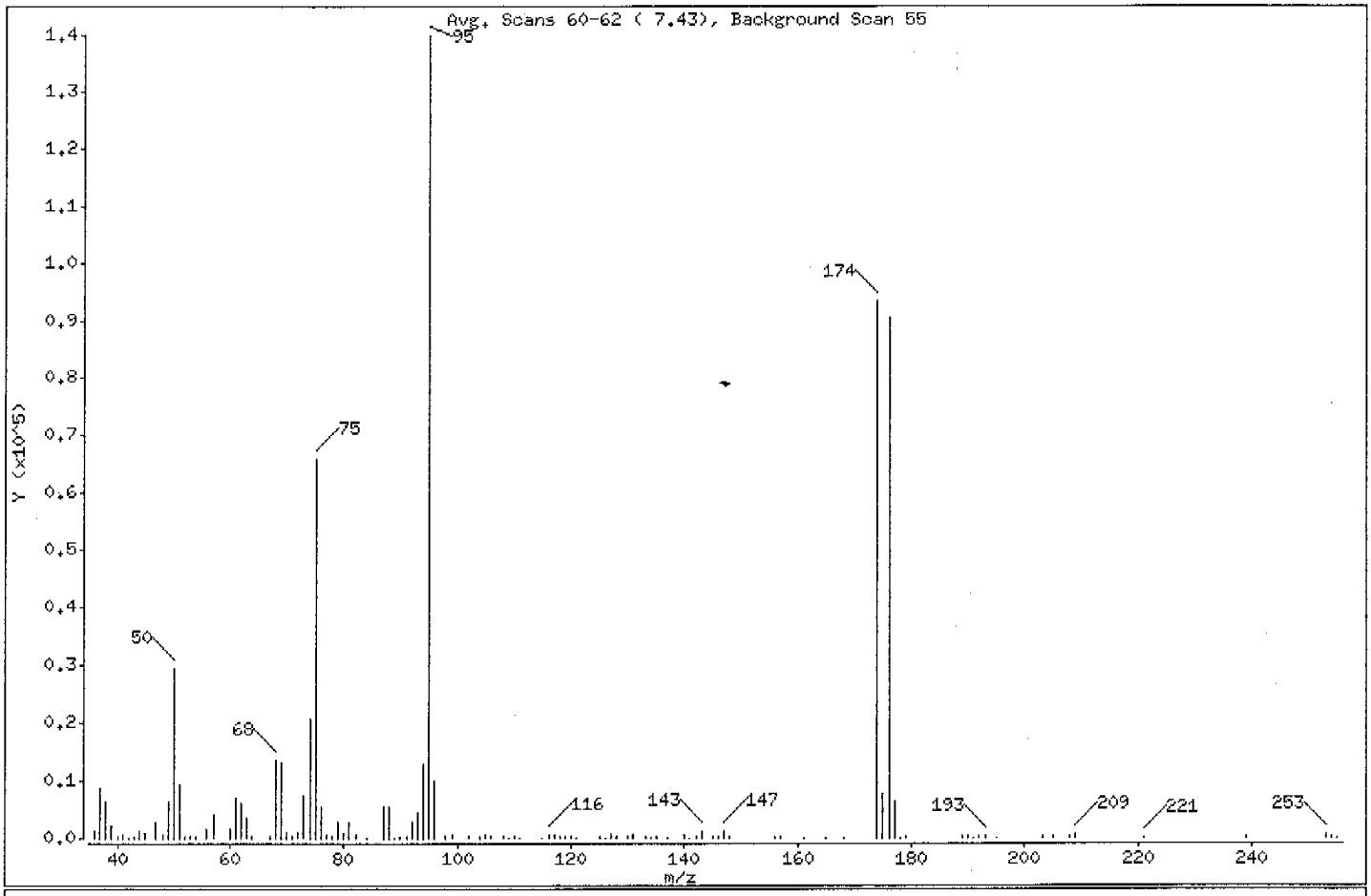
Sample Info: EBFB103

Operator: VOAMS 8

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 95 | Base Peak, 100% relative abundance | 100.00 |
| 50 | 15.00 - 40.00% of mass 95 | 20.95 |
| 75 | 30.00 - 80.00% of mass 95 | 46.83 |
| 96 | 5.00 - 9.00% of mass 95 | 7.10 |
| 173 | Less than 2.00% of mass 174 | 0.00 ( 0.00) |
| 174 | 50.00 - 100.00% of mass 95 | 66.57 |
| 175 | 5.00 - 9.00% of mass 174 | 5.42 ( 8.14) |
| 176 | 95.00 - 101.00% of mass 174 | 64.58 ( 97.02) |
| 177 | 5.00 - 9.00% of mass 176 | 4.61 ( 7.13) |

Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41264.d

Date : 13-APR-2006 07:58

Client ID:

Instrument: VOAMS5.i

Sample Info: EBFB103

Operator: VOAMS 8

Column phase: DB-624

Column diameter: 0.53

Data File: e41264.d
Spectrum: Avg. Scans 60-62 ( 7.43), Background Scan 55
Location of Maximum: 95.00
Number of points: 113

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 1301 | 71.00 | 288 | 108.00 | 370 | 156.00 | 374 |
| 37.00 | 8785 | 72.00 | 924 | 109.00 | 23 | 157.00 | 384 |
| 38.00 | 6510 | 73.00 | 7552 | 110.00 | 385 | 161.00 | 133 |
| 39.00 | 2306 | 74.00 | 20552 | 111.00 | 29 | 165.00 | 21 |
| 40.00 | 248 | 75.00 | 65624 | 115.00 | 12 | 168.00 | 120 |
| 41.00 | 538 | 76.00 | 5453 | 116.00 | 764 | 174.00 | 93280 |
| 42.00 | 68 | 77.00 | 594 | 117.00 | 650 | 175.00 | 7589 |
| 43.00 | 319 | 78.00 | 481 | 118.00 | 462 | 176.00 | 90496 |
| 44.00 | 1147 | 79.00 | 2959 | 119.00 | 337 | 177.00 | 6454 |
| 45.00 | 1122 | 80.00 | 1037 | 120.00 | 474 | 178.00 | 154 |
| 47.00 | 2967 | 81.00 | 2833 | 121.00 | 37 | 179.00 | 256 |
| 48.00 | 710 | 82.00 | 562 | 125.00 | 194 | 189.00 | 405 |
| 49.00 | 6357 | 84.00 | 132 | 126.00 | 22 | 190.00 | 174 |
| 50.00 | 29352 | 87.00 | 5587 | 127.00 | 494 | 191.00 | 83 |
| 51.00 | 9430 | 88.00 | 5524 | 128.00 | 282 | 192.00 | 166 |
| 52.00 | 202 | 89.00 | 4 | 130.00 | 187 | 193.00 | 421 |
| 53.00 | 366 | 90.00 | 168 | 131.00 | 710 | 195.00 | 98 |
| 54.00 | 212 | 91.00 | 471 | 133.00 | 180 | 203.00 | 182 |
| 56.00 | 1496 | 92.00 | 3033 | 134.00 | 148 | 205.00 | 342 |
| 57.00 | 4041 | 93.00 | 4543 | 135.00 | 340 | 208.00 | 408 |
| 60.00 | 1494 | 94.00 | 12768 | 137.00 | 97 | 209.00 | 613 |
| 61.00 | 7056 | 95.00 | 140096 | 140.00 | 584 | 221.00 | 115 |
| 62.00 | 6191 | 96.00 | 9949 | 141.00 | 103 | 239.00 | 185 |
| 63.00 | 3685 | 98.00 | 371 | 142.00 | 214 | 253.00 | 712 |
| 64.00 | 427 | 99.00 | 584 | 143.00 | 1145 | 254.00 | 251 |
| 67.00 | 280 | 102.00 | 365 | 145.00 | 402 | 255.00 | 12 |
| 68.00 | 13374 | 104.00 | 353 | 146.00 | 361 | | |
| 69.00 | 13077 | 105.00 | 738 | 147.00 | 1264 | | |
| 70.00 | 836 | 106.00 | 225 | 148.00 | 175 | | |

Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41264.d

Date : 13-APR-2006 07:58

Client ID:

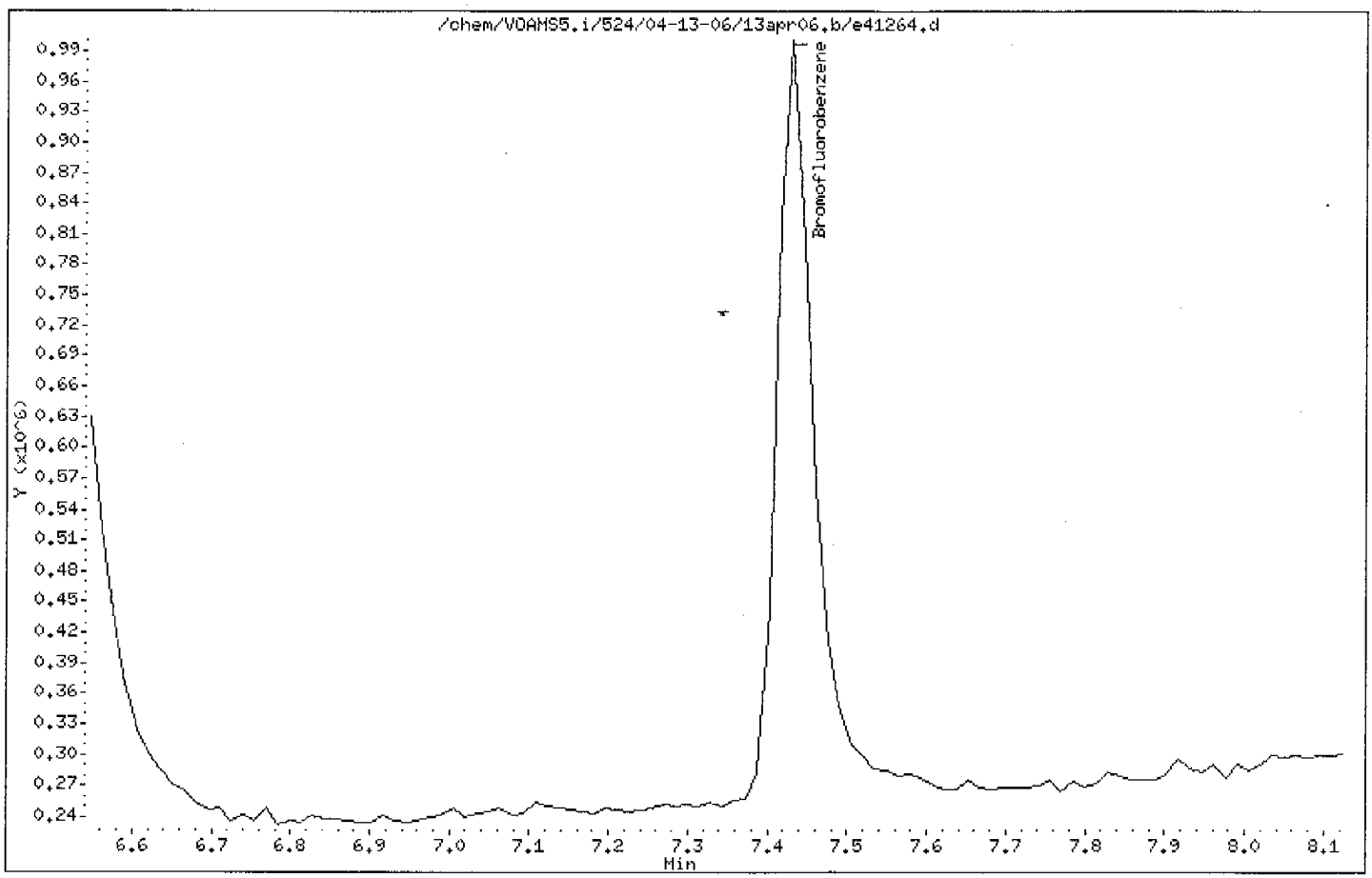
Instrument: VOAMS5.i

Sample Info: EBFB103

Operator: VOAMS 8

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: E41264A

BFB Injection Date: 04/13/06

Instrument ID: VOAMS5

BFB Injection Time: 0758

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 20.9 |
| 75 | 30.0 - 80.0% of mass 95 | 46.8 |
| 95 | Base Peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 7.1 |
| 173 | Less than 2.0% of mass 174 | 0.0 ( 0.0)1 |
| 174 | 50.0 - 100.0% of mass 95 | 66.6 |
| 175 | 5.0 - 9.0% of mass 174 | 5.4 ( 8.1)1 |
| 176 | 95.0 - 101.0% of mass 174 | 64.6 ( 97.0)1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.6 ( 7.1)2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | CLIENT ID | LAB SAMPLE No. | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|---|
| 01 | ESTD020-R4 | ESTD020-R4 | E41270 | 04/13/06 | 1055 |
| 02 | ESTD040-R4 | ESTD040-R4 | E41272 | 04/13/06 | 1155 |
| 03 | ESTD005-R4 | ESTD005-R4 | E41273 | 04/13/06 | 1225 |
| 04 | 1743BS-R4 | 1743BS-R4 | E41275 | 04/13/06 | 1338 |
| 05 | EV103A | EV103A | E41276A | 04/13/06 | 1408 |
| 06 | 1743BSD-R4 | 1743BSD-R4 | E41287 | 04/13/06 | 1936 |
| 07 | | | | | |
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: E41264A

BFB Injection Date: 04/13/06

Instrument ID: VOAMS5

BFB Injection Time: 0758

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 20.9 |
| 75 | 30.0 - 80.0% of mass 95 | 46.8 |
| 95 | Base Peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 7.1 |
| 173 | Less than 2.0% of mass 174 | 0.0 ( 0.0)1 |
| 174 | 50.0 - 100.0% of mass 95 | 66.6 |
| 175 | 5.0 - 9.0% of mass 174 | 5.4 ( 8.1)1 |
| 176 | 95.0 - 101.0% of mass 174 | 64.6 ( 97.0)1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.6 ( 7.1)2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| | CLIENT ID | LAB SAMPLE No. | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|---|
| 01 | ESTD020-R4 | ESTD020-R4 | E41270 | 04/13/06 | 1055 |
| 02 | ESTD040-R4 | ESTD040-R4 | E41272 | 04/13/06 | 1155 |
| 03 | ESTD005-R4 | ESTD005-R4 | E41273 | 04/13/06 | 1225 |
| 04 | EV103A | EV103A | E41276A | 04/13/06 | 1408 |
| 05 | 441LOCK | 725183 | E41280A | 04/13/06 | 1607 |
| 06 | | | | | |
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| 22 | | | | | |

Data File: /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41264a.d

Date : 13-APR-2006 07:58

Client ID:

Instrument: VOAMS5.i

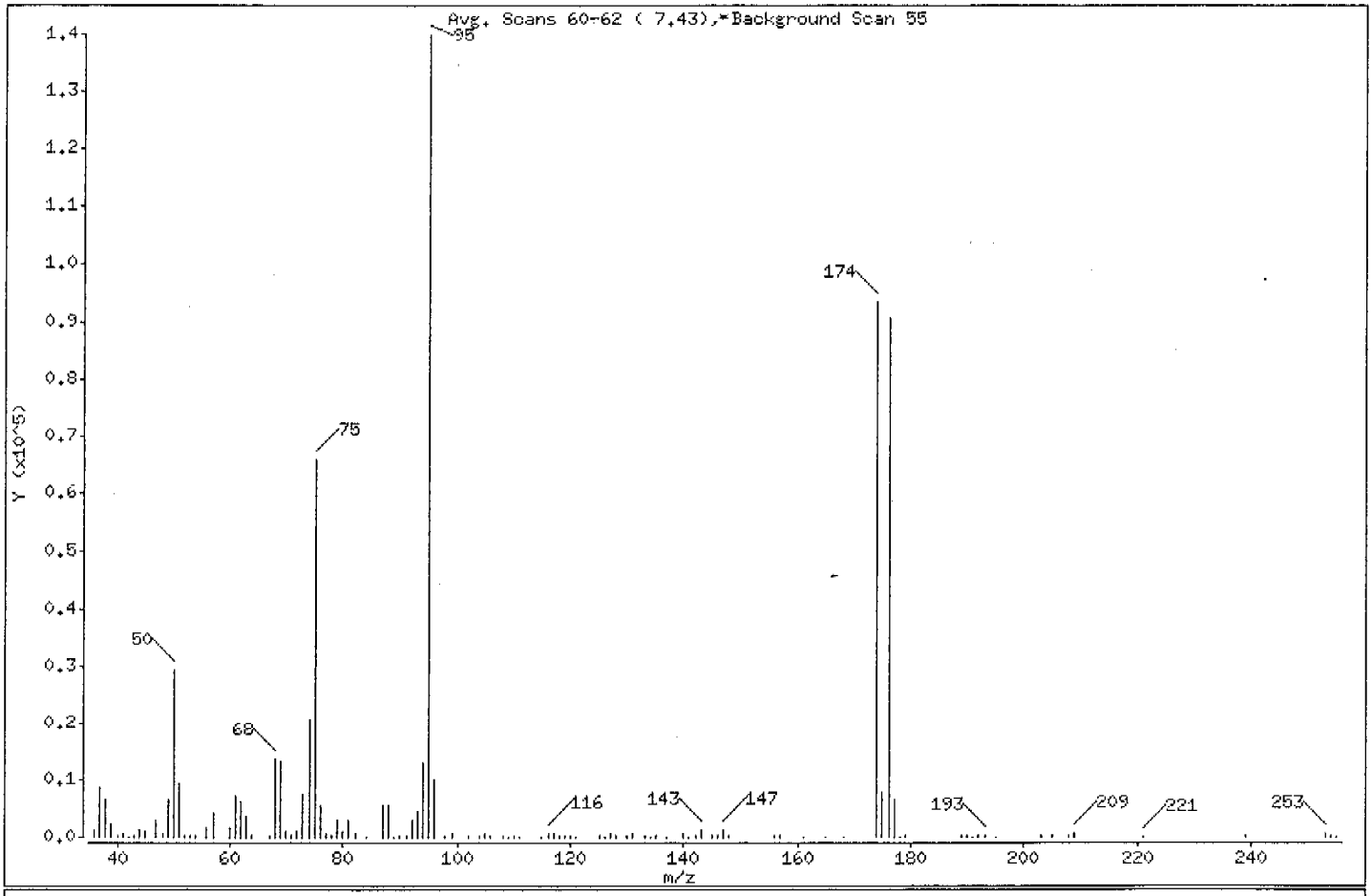
Sample Info: EBFB103a

Operator: VOAMS 5

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| | | |
| 95 | Base Peak, 100% relative abundance | 100.00 |
| 50 | 15.00 - 40.00% of mass 95 | 20.95 |
| 75 | 30.00 - 80.00% of mass 95 | 46.83 |
| 96 | 5.00 - 9.00% of mass 95 | 7.10 |
| 173 | Less than 2.00% of mass 174 | 0.00 ( 0.00) |
| 174 | 50.00 - 100.00% of mass 95 | 66.57 |
| 175 | 5.00 - 9.00% of mass 174 | 5.42 ( 8.14) |
| 176 | 95.00 - 101.00% of mass 174 | 64.58 ( 97.02) |
| 177 | 5.00 - 9.00% of mass 176 | 4.61 ( 7.13) |

Data File: /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41264a.d

Date : 13-APR-2006 07:58

Client ID:

Instrument: VOAMS5.i

Sample Info: EBFB103a

Operator: VOAMS 5

Column phase: DB-624

Column diameter: 0.53

Data File: e41264a.d

Spectrum: Avg. Scans 60-62 ( 7.43), Background Scan 55

Location of Maximum: 95.00

Number of points: 113

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 1301 | 71.00 | 288 | 108.00 | 370 | 156.00 | 374 |
| 37.00 | 8785 | 72.00 | 924 | 109.00 | 23 | 157.00 | 384 |
| 38.00 | 6510 | 73.00 | 7552 | 110.00 | 385 | 161.00 | 133 |
| 39.00 | 2306 | 74.00 | 20552 | 111.00 | 29 | 165.00 | 21 |
| 40.00 | 248 | 75.00 | 65624 | 115.00 | 12 | 168.00 | 120 |
| 41.00 | 538 | 76.00 | 5453 | 116.00 | 764 | 174.00 | 93280 |
| 42.00 | 68 | 77.00 | 594 | 117.00 | 650 | 175.00 | 7589 |
| 43.00 | 319 | 78.00 | 481 | 118.00 | 462 | 176.00 | 90496 |
| 44.00 | 1147 | 79.00 | 2959 | 119.00 | 337 | 177.00 | 6454 |
| 45.00 | 1122 | 80.00 | 1037 | 120.00 | 474 | 178.00 | 154 |
| 47.00 | 2967 | 81.00 | 2833 | 121.00 | 37 | 179.00 | 256 |
| 48.00 | 710 | 82.00 | 562 | 125.00 | 194 | 189.00 | 405 |
| 49.00 | 6357 | 84.00 | 132 | 126.00 | 22 | 190.00 | 174 |
| 50.00 | 29352 | 87.00 | 5587 | 127.00 | 494 | 191.00 | 83 |
| 51.00 | 9430 | 88.00 | 5524 | 128.00 | 282 | 192.00 | 166 |
| 52.00 | 202 | 89.00 | 4 | 130.00 | 187 | 193.00 | 421 |
| 53.00 | 366 | 90.00 | 168 | 131.00 | 710 | 195.00 | 98 |
| 54.00 | 212 | 91.00 | 471 | 133.00 | 180 | 203.00 | 182 |
| 56.00 | 1496 | 92.00 | 3033 | 134.00 | 148 | 205.00 | 342 |
| 57.00 | 4041 | 93.00 | 4543 | 135.00 | 340 | 208.00 | 408 |
| 60.00 | 1494 | 94.00 | 12768 | 137.00 | 97 | 209.00 | 613 |
| 61.00 | 7056 | 95.00 | 140096 | 140.00 | 584 | 221.00 | 115 |
| 62.00 | 6191 | 96.00 | 9949 | 141.00 | 103 | 239.00 | 185 |
| 63.00 | 3685 | 98.00 | 371 | 142.00 | 214 | 253.00 | 712 |
| 64.00 | 427 | 99.00 | 584 | 143.00 | 1145 | 254.00 | 251 |
| 67.00 | 280 | 102.00 | 365 | 145.00 | 402 | 255.00 | 12 |
| 68.00 | 13374 | 104.00 | 353 | 146.00 | 361 | | |
| 69.00 | 13077 | 105.00 | 738 | 147.00 | 1264 | | |
| 70.00 | 836 | 106.00 | 225 | 148.00 | 175 | | |

Data File: /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41264a.d

Date : 13-APR-2006 07:58

Client ID:

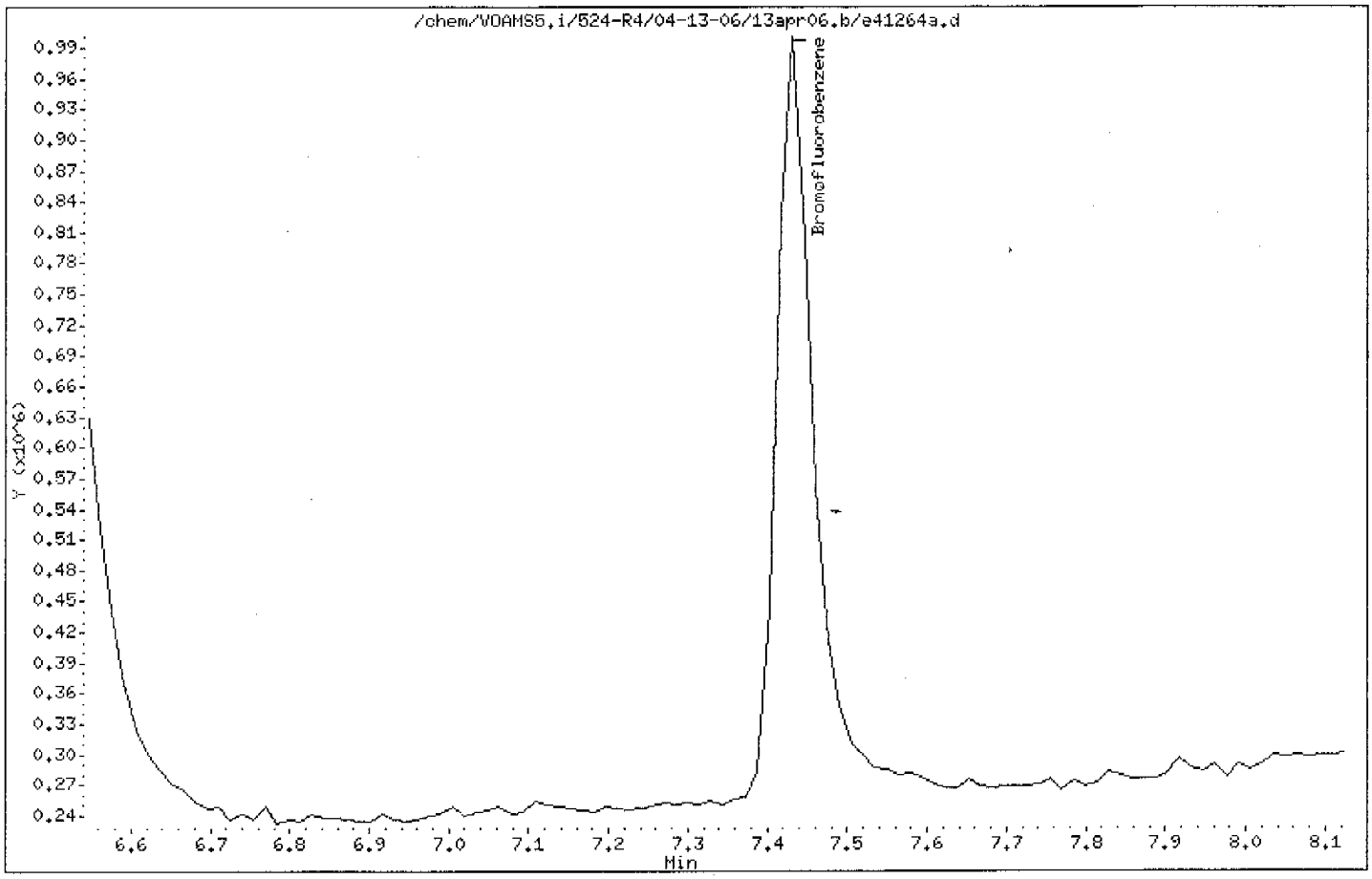
Instrument: VOAMS5.i

Sample Info: EBFB103a

Operator: VOAMS 5

Column phase: DB-624

Column diameter: 0.53



Method Blank Results Summary

VOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

EV103

Matrix: WATER

Date Analyzed: 04/13/06

Level: DW

Time Analyzed: 1408

Lab File ID: E41276

Heated Purge (Y/N) N

Instrument ID: VOAMS5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

| | CLIENT ID. | LAB SAMPLE NO | LAB FILE ID | TIME ANALYZED |
|---|---|---|---|---|
| 01 | 1741BS | 1741BS | E41274 | 1303 |
| 02 | 1741BSD | 1741BSD | E41286 | 1906 |
| 03 | | | | |
| 04 | | | | |
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COMMENTS:

VOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

EV103

Matrix: WATER

Level: DW

Lab File ID: E41276

Instrument ID: VOAMS5

Date Analyzed: 04/13/06

Time Analyzed: 1408

Heated Purge (Y/N) N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

| | CLIENT ID. | LAB SAMPLE NO | LAB FILE ID | TIME ANALYZED |
|---|---|---|---|---|
| 01 | 441LOCK | 725183 | E41280 | 1607 |
| 02 | | | | |
| 03 | | | | |
| 04 | | | | |
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COMMENTS:

Client ID: **EV103**
Site:

Lab Sample No: **EV103**
Lab Job No: 1741

Date Sampled: _____
Date Received: _____
Date Analyzed: 04/13/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e41276.d

Matrix: WATER
Level: DW
Purge Volume: 25.0 ml
Dilution Factor: 1.0

**VOLATILE ORGANICS - GC/MS**
**METHOD 524.2**

| Parameter | Analytical Result Units: ug/l | Quantitation Limit Units: ug/l |
|---|---|---|
| Dichlorodifluoromethane | ND | 0.5 |
| Chloromethane | ND | 0.5 |
| Vinyl Chloride | ND | 0.5 |
| Bromomethane | ND | 0.5 |
| Chloroethane | ND | 0.5 |
| Trichlorofluoromethane | ND | 0.5 |
| 1,1-Dichloroethene | ND | 0.5 |
| Methylene Chloride | ND | 0.5 |
| trans-1,2-Dichloroethene | ND | 0.5 |
| 1,1-Dichloroethane | ND | 0.5 |
| cis-1,2-Dichloroethene | ND | 0.5 |
| 2,2-Dichloropropane | ND | 0.5 |
| Bromochloromethane | ND | 0.5 |
| Chloroform | ND | 0.5 |
| 1,1,1-Trichloroethane | ND | 0.5 |
| 1,1-Dichloropropene | ND | 0.5 |
| Carbon Tetrachloride | ND | 0.5 |
| Benzene | ND | 0.5 |
| 1,2-Dichloroethane | ND | 0.5 |
| Trichloroethene | ND | 0.5 |
| 1,2-Dichloropropane | ND | 0.5 |
| Dibromomethane | ND | 0.5 |
| Bromodichloromethane | ND | 0.5 |
| cis-1,3-Dichloropropene | ND | 0.5 |
| Toluene | ND | 0.5 |
| trans-1,3-Dichloropropene | ND | 0.5 |
| 1,1,2-Trichloroethane | ND | 0.5 |
| Tetrachloroethene | ND | 0.5 |
| 1,3-Dichloropropane | ND | 0.5 |
| Dibromochloromethane | ND | 0.5 |
| 1,2-Dibromoethane | ND | 0.5 |
| Chlorobenzene | ND | 0.5 |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 |
| Ethylbenzene | ND | 0.5 |

Client ID: **EV103**
Site:

Lab Sample No: **EV103**
Lab Job No: 1741

Date Sampled: _____
Date Received: _____
Date Analyzed: 04/13/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e41276.d

Matrix: WATER
Level: DW
Purge Volume: 25.0 ml
Dilution Factor: 1.0

**VOLATILE ORGANICS - GC/MS (cont'd)**
**METHOD 524.2**

| Parameter | Analytical Result Units: ug/l | Quantitation Limit Units: ug/l |
|---|---|---|
| Xylene (Total) | ND | 0.5 |
| Styrene | ND | 0.5 |
| Bromoform | ND | 0.5 |
| Isopropylbenzene | ND | 0.5 |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 |
| Bromobenzene | ND | 0.5 |
| 1,2,3-Trichloropropane | ND | 0.5 |
| n-Propylbenzene | ND | 0.5 |
| 2-Chlorotoluene | ND | 0.5 |
| 1,3,5-Trimethylbenzene | ND | 0.5 |
| 4-Chlorotoluene | ND | 0.5 |
| tert-Butylbenzene | ND | 0.5 |
| 1,2,4-Trimethylbenzene | ND | 0.5 |
| sec-Butylbenzene | ND | 0.5 |
| m-Dichlorobenzene | ND | 0.5 |
| 4-Isopropyltoluene | ND | 0.5 |
| p-Dichlorobenzene | ND | 0.5 |
| n-Butylbenzene | ND | 0.5 |
| o-Dichlorobenzene | ND | 0.5 |
| 1,2-Dibromo-3-Chloropropane | ND | 1.0 |
| 1,2,4-Trichlorobenzene | ND | 0.5 |
| Hexachlorobutadiene | ND | 0.5 |
| Naphthalene | ND | 0.5 |
| 1,2,3-Trichlorobenzene | ND | 0.5 |
| TBA | ND | 50 |
| MTBE | ND | 0.5 |
| Freon TF | ND | 0.5 |
| p-Ethyltoluene | ND | 0.5 |
| p-Diethylbenzene | ND | 0.5 |
| 1,2,4,5-Tetramethylbenzene | ND | 0.5 |
| Isopropanol | ND | 100 |
| n-Propanol | ND | 250 |
| 2-Methylnaphthalene | ND | 0.5 |
| Dimethylnaphthalene (total) | ND | 0.5 |

Client ID: **EV103**
Site:

Lab Sample No: **EV103**
Lab Job No: 1741

Date Sampled: _____
Date Received: _____
Date Analyzed: 04/13/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e41276.d

Matrix: WATER
Level: DW
Purge Volume: 25.0 ml
Dilution Factor: 1.0

**VOLATILE ORGANICS - GC/MS (cont'd)**
**METHOD 524.2**

| Parameter | Analytical Result Units: ug/l | Quantitation Limit Units: ug/l |
|---|---|---|
| Vinyl Acetate | ND | 0.5 |
| Hexane | ND | 0.5 |
| 1,4-Dioxane | ND | 500 |
| Cyclohexane | ND | 1.0 |
| Ethyl Acetate | ND | 1.0 |

Client ID: **EV103**
Site:

Lab Sample No: **EV103**
Lab Job No: 1741

Date Sampled: _____
Date Received: _____
Date Analyzed: 04/13/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e41276.d

Matrix: WATER
Level: DW
Purge Volume: 25.0 ml
Dilution Factor: 1.0

**VOLATILE ORGANICS - GC/MS**
**TENTATIVELY IDENTIFIED COMPOUNDS**
**METHOD 524.2**

| | COMPOUND NAME | RT | EST. CONC. ug/l | Q |
|---|---|---|---|---|
| 1. | NO VOLATILE ORGANIC COMPOUNDS FOUND | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
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| 29. | | | | |
| 30. | | | | |

| TOTAL ESTIMATED CONCENTRATION | 0.0 |
|---|---|

Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41276.d
Report Date: 19-Apr-2006 10:20

STL Edison

VOLATILE ORGANICS- METHOD 524.2

Data file : /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41276.d
Lab Smp Id: EV103 Client Smp ID: EV103
Inj Date : 13-APR-2006 14:08
Operator : VOAMS 5 Inst ID: VOAMS5.i
Smp Info : EV103
Misc Info :
Comment :
Method : /chem/VOAMS5.i/524/04-13-06/13apr06.b/524_2_05.m
Meth Date : 19-Apr-2006 10:20 lily Quant Type: ISTD
Cal Date : 13-APR-2006 10:25 Cal File: e41269.d
Als bottle: 12 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

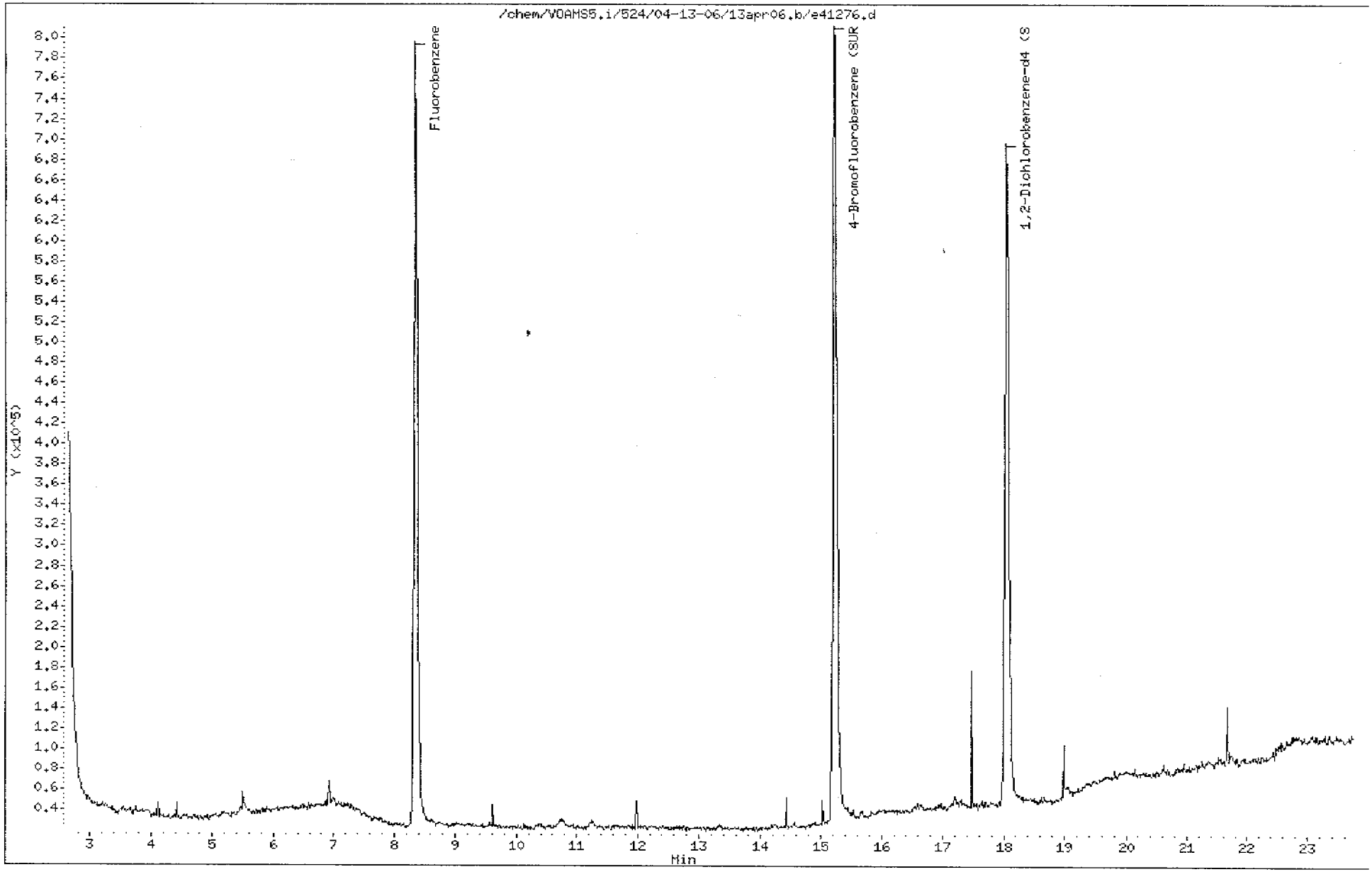
Concentration Formula: Amt * DF * 25/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 25.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| * 2 Fluorobenzene | 96 | 8.349 | 8.343 | (1.000) | 1383070 | 5.00000 | |
| $ 42 4-Bromofluorobenzene (SUR) | 95 | 15.221 | 15.215 | (1.823) | 799141 | 5.05555 | 5.0 |
| $ 57 1,2-Dichlorobenzene-d4 (SUR) | 152 | 18.054 | 18.045 | (2.162) | 441251 | 4.83449 | 4.8 |

Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41276.d
Date : 13-APR-2006 14:08
Client ID: EV103
Instrument: VOAMS5.i
Sample Info: EV103
Purge Volume: 25.0
Operator: VOAMS 5
Column phase: DB624
Column diameter: 0.53



VOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

EV103A

Matrix: WATER

Date Analyzed: 04/13/06

Level: DW

Time Analyzed: 1408

Lab File ID: E41276A

Heated Purge (Y/N) N

Instrument ID: VOAMS5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

| | CLIENT ID. | LAB SAMPLE NO | LAB FILE ID | TIME ANALYZED |
|---|---|---|---|---|
| 01 | 1743BS-R4 | 1743BS-R4 | E41275 | 1338 |
| 02 | 1743BSD-R4 | 1743BSD-R4 | E41287 | 1936 |
| 03 | | | | |
| 04 | | | | |
| 05 | | | | |
| 06 | | | | |
| 07 | | | | |
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| 29 | | | | |
| 30 | | | | |

COMMENTS:

VOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

EV103A

Matrix: WATER

Date Analyzed: 04/13/06

Level: DW

Time Analyzed: 1408

Lab File ID: E41276A

Heated Purge (Y/N) N

Instrument ID: VOAMS5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

| | CLIENT ID. | LAB SAMPLE NO | LAB FILE ID | TIME ANALYZED |
|---|---|---|---|---|
| 01 | 441LOCK | 725183 | E41280A | 1607 |
| 02 | | | | |
| 03 | | | | |
| 04 | | | | |
| 05 | | | | |
| 06 | | | | |
| 07 | | | | |
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| 27 | | | | |
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| 29 | | | | |
| 30 | | | | |

COMMENTS:

page 1 of 1

Client ID: **EV103A**
Site:

Lab Sample No: **EV103A**
Lab Job No: 1743

Date Sampled: _____
Date Received: _____
Date Analyzed: 04/13/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e41276a.d

Matrix: WATER
Level: DW
Purge Volume: 25.0 ml
Dilution Factor: 1.0

**VOLATILE ORGANICS - GC/MS**
**METHOD 524.2**

| Parameter | Analytical Result Units: ug/l | Quantitation Limit Units: ug/l |
|---|---|---|
| Acetone | ND | 2.5 |
| 2-Butanone | ND | 2.5 |
| 4-Methyl-2-pentanone | ND | 2.5 |
| 2-Hexanone | ND | 2.5 |
| Carbon Disulfide | ND | 2.5 |
| Diethyl Ether | ND | 2.5 |
| Iodomethane | ND | 2.5 |
| Allyl Chloride | ND | 2.5 |
| Acrylonitrile | ND | 25 |
| Propionitrile | ND | 25 |
| Methyl Acrylate | ND | 2.5 |
| Methacrylonitrile | ND | 2.5 |
| Tetrahydrofuran | ND | 2.5 |
| 1-Chlorobutane | ND | 2.5 |
| Methyl Methacrylate | ND | 2.5 |
| 2-Nitropropane | ND | 25 |
| Chloroacetonitrile | ND | 25 |
| 1,1-Dichloropropanone | ND | 2.5 |
| Ethyl Methacrylate | ND | 2.5 |
| trans-1,4-Dichloro-2-butene | ND | 2.5 |
| Pentachloroethane | ND | 2.5 |
| Hexachloroethane | ND | 2.5 |
| Nitrobenzene | ND | 25 |

Client ID: **EV103A**
Site:

Lab Sample No: **EV103A**
Lab Job No: 1743

Date Sampled: _____
Date Received: _____
Date Analyzed: 04/13/06
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e41276a.d

Matrix: WATER
Level: DW
Purge Volume: 25.0 ml
Dilution Factor: 1.0

**VOLATILE ORGANICS - GC/MS**
**TENTATIVELY IDENTIFIED COMPOUNDS**
**METHOD 524.2**

| | COMPOUND NAME | RT | EST. CONC. ug/l | Q |
|---|---|---|---|---|
| 1. | NO VOLATILE ORGANIC COMPOUNDS FOUND | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
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| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41276a.d
Report Date: 19-Apr-2006 10:22

STL Edison

VOLATILE ORGANICS- METHOD 524.2

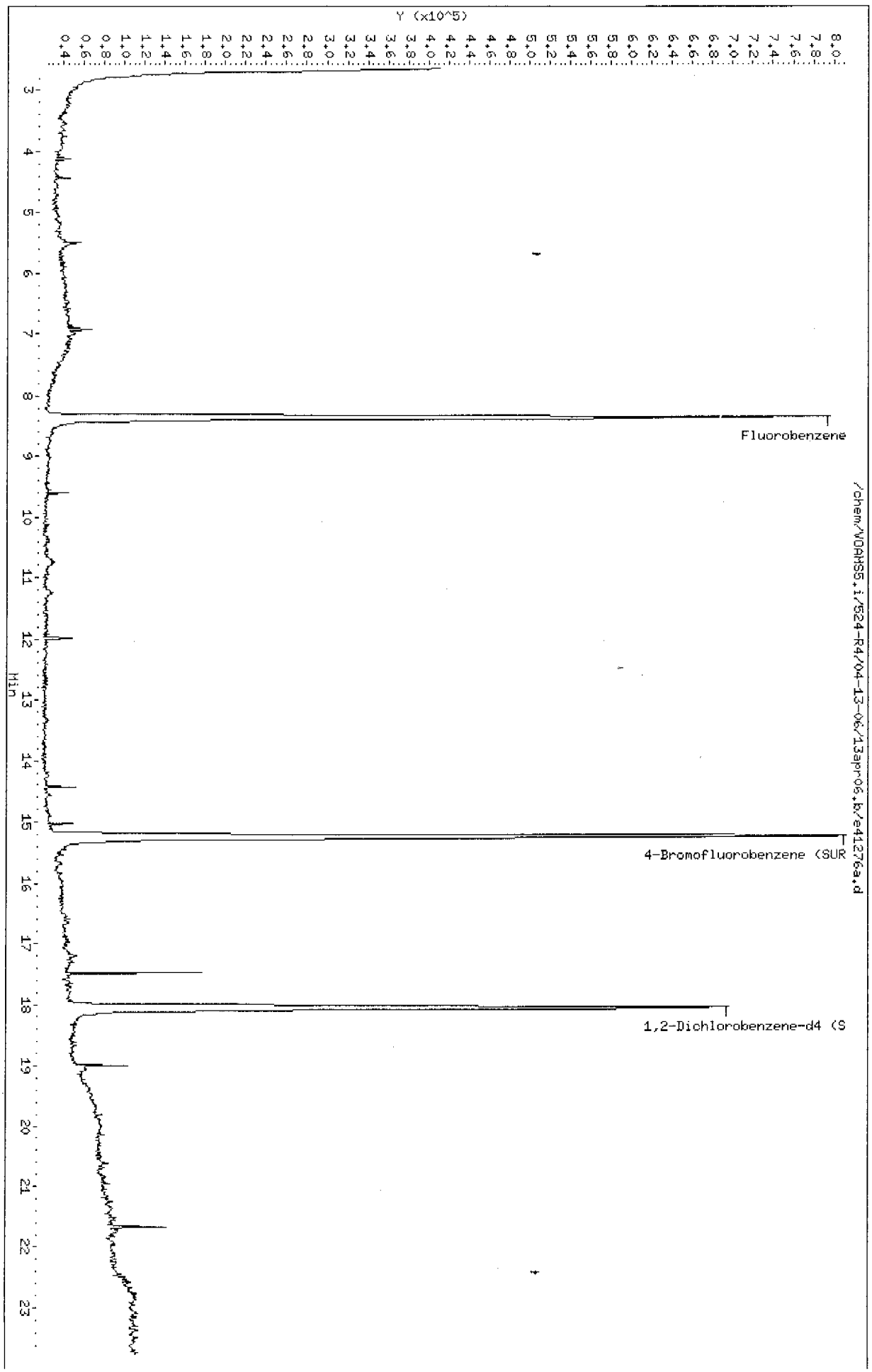
Data file : /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41276a.d
Lab Smp Id: EV103A  Client Smp ID: EV103A
Inj Date : 13-APR-2006 14:08
Operator : VOAMS 5  Inst ID: VOAMS5.i
Smp Info : EV103A
Misc Info :
Comment :
Method : /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/524R4_04.m
Meth Date : 19-Apr-2006 10:22 lily  Quant Type: ISTD
Cal Date : 13-APR-2006 12:25  Cal File: e41273.d
Als bottle: 12  QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 25.00000 | Sample Volume |

Cpnd Variable  Local Compound-Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| * 2 Fluorobenzene | 96 | 8.349 | 8.338 | (1.000) | 1401898 | 5.00000 | |
| $ 42 4-Bromofluorobenzene (SUR) | 95 | 15.221 | 15.215 | (1.823) | 799141 | 4.91198 | 4.9 |
| $ 57 1,2-Dichlorobenzene-d4 (SUR) | 152 | 18.054 | 18.037 | (2.162) | 441251 | 4.74590 | 4.7 |


Data File: /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41276a.d
Date : 13-APR-2006 14:08
Client ID: EW103A
Sample Info: EW103A
Purge Volume: 25.0
Column phase: DB624
Instrument: VOAMS5.i
Operator: VOAMS 5
Column diameter: 0.53
Y (x10^5)
Fluorobenzene
4-Bromofluorobenzene (SUR
1,2-Dichlorobenzene-d4 (S
/chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41276a.d
Min

Calibration Summary

VOLATILE ORGANICS INITIAL CALIBRATION DATA
METHOD 524.2

Instrument ID: VOAMS5 Calibration Date(s): 04/13/06 04/13/06

Heated Purge: (Y/N) N Calibration Time(s): 0825 1025

LAB FILE ID: RRF1: E41267 RRF2: E41266 RRF5: E41265
RRF20: E41269 RRF40: E41268

| COMPOUND | RRF1 | RRF2 | RRF5 | RRF20 | RRF40 |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.447 | 0.432 | 0.458 | 0.432 | 0.463 |
| Chloromethane | 0.352 | 0.322 | 0.323 | 0.320 | 0.345 |
| Vinyl Chloride | 0.346 | 0.305 | 0.328 | 0.331 | 0.349 |
| Bromomethane | 0.304 | 0.285 | 0.295 | 0.282 | 0.290 |
| Chloroethane | 0.230 | 0.225 | 0.239 | 0.216 | 0.223 |
| Trichlorofluoromethane | 0.639 | 0.581 | 0.621 | 0.586 | 0.603 |
| 1,1-Dichloroethene | 0.562 | 0.510 | 0.505 | 0.491 | 0.506 |
| Methylene Chloride | 0.243 | 0.224 | 0.219 | 0.224 | 0.228 |
| trans-1,2-Dichloroethene | 0.388 | 0.354 | 0.346 | 0.328 | 0.335 |
| 1,1-Dichloroethane | 0.692 | 0.642 | 0.638 | 0.630 | 0.635 |
| cis-1,2-Dichloroethene | 0.390 | 0.329 | 0.316 | 0.314 | 0.320 |
| 2,2-Dichloropropane | 0.581 | 0.538 | 0.553 | 0.508 | 0.524 |
| Bromochloromethane | 0.141 | 0.128 | 0.122 | 0.128 | 0.129 |
| Chloroform | 0.645 | 0.596 | 0.578 | 0.574 | 0.586 |
| 1,1,1-Trichloroethane | 0.620 | 0.573 | 0.572 | 0.562 | 0.572 |
| 1,1-Dichloropropene | 0.572 | 0.518 | 0.512 | 0.504 | 0.504 |
| Carbon Tetrachloride | 0.590 | 0.523 | 0.538 | 0.530 | 0.537 |
| Benzene | 1.026 | 0.930 | 0.917 | 0.922 | 0.925 |
| 1,2-Dichloroethane | 0.242 | 0.225 | 0.210 | 0.216 | 0.216 |
| Trichloroethene | 0.462 | 0.430 | 0.424 | 0.419 | 0.416 |
| 1,2-Dichloropropane | 0.362 | 0.335 | 0.315 | 0.333 | 0.331 |
| Dibromomethane | 0.155 | 0.152 | 0.142 | 0.148 | 0.149 |
| Bromodichloromethane | 0.441 | 0.406 | 0.407 | 0.429 | 0.438 |
| cis-1,3-Dichloropropene | 0.360 | 0.338 | 0.350 | 0.376 | 0.384 |
| Toluene | 0.750 | 0.684 | 0.679 | 0.691 | 0.689 |
| trans-1,3-Dichloropropene | 0.241 | 0.229 | 0.224 | 0.246 | 0.252 |
| 1,1,2-Trichloroethane | 0.150 | 0.144 | 0.132 | 0.136 | 0.135 |
| Tetrachloroethene | 0.583 | 0.513 | 0.512 | 0.514 | 0.510 |
| 1,3-Dichloropropane | 0.301 | 0.297 | 0.257 | 0.277 | 0.277 |
| Dibromochloromethane | 0.208 | 0.220 | 0.220 | 0.248 | 0.259 |
| 1,2-Dibromoethane | 0.234 | 0.224 | 0.203 | 0.214 | 0.211 |
| Chlorobenzene | 0.906 | 0.844 | 0.803 | 0.826 | 0.822 |
| 1,1,1,2-Tetrachloroethane | 0.366 | 0.350 | 0.336 | 0.355 | 0.350 |
| Ethylbenzene | 1.670 | 1.526 | 1.522 | 1.513 | 1.466 |
| Xylene (Total) | 0.604 | 0.556 | 0.547 | 0.553 | 0.543 |
| Styrene | 0.800 | 0.755 | 0.745 | 0.772 | 0.757 |
| Bromoform | 0.074 | 0.077 | 0.077 | 0.098 | 0.104 |
| Isopropylbenzene | 1.774 | 1.632 | 1.622 | 1.616 | 1.565 |
| 1,1,2,2-Tetrachloroethane | 0.194 | 0.207 | 0.172 | 0.184 | 0.183 |

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 524.2

Instrument ID: VOAMS5 Calibration Date(s): 04/13/06 04/13/06

Heated Purge: (Y/N) N Calibration Time(s): 0825 1025

LAB FILE ID: RRF1: E41267 RRF2: E41266 RRF5: E41265
RRF20: E41269 RRF40: E41268

| COMPOUND | RRF1 | RRF2 | RRF5 | RRF20 | RRF40 |
|---|---|---|---|---|---|
| Bromobenzene | 0.353 | 0.341 | 0.324 | 0.334 | 0.325 |
| 1,2,3-Trichloropropane | 0.050 | 0.054 | 0.045 | 0.045 | 0.045 |
| n-Propylbenzene | 2.129 | 1.943 | 1.900 | 1.872 | 1.823 |
| 2-Chlorotoluene | 1.236 | 1.130 | 1.086 | 1.085 | 1.049 |
| 1,3,5-Trimethylbenzene | 1.359 | 1.228 | 1.206 | 1.189 | 1.159 |
| 4-Chlorotoluene | 1.424 | 1.259 | 1.176 | 1.193 | 1.165 |
| tert-Butylbenzene | 1.502 | 1.381 | 1.356 | 1.344 | 1.310 |
| 1,2,4-Trimethylbenzene | 1.318 | 1.182 | 1.126 | 1.139 | 1.102 |
| sec-Butylbenzene | 1.934 | 1.774 | 1.756 | 1.716 | 1.658 |
| m-Dichlorobenzene | 0.724 | 0.653 | 0.612 | 0.642 | 0.622 |
| 4-Isopropyltoluene | 1.720 | 1.574 | 1.519 | 1.525 | 1.474 |
| p-Dichlorobenzene | 0.692 | 0.655 | 0.597 | 0.607 | 0.602 |
| n-Butylbenzene | 1.609 | 1.450 | 1.414 | 1.399 | 1.356 |
| o-Dichlorobenzene | 0.553 | 0.520 | 0.458 | 0.486 | 0.466 |
| 1,2-Dibromo-3-Chloropropane | 0.020 | 0.023 | 0.018 | 0.022 | 0.023 |
| 1,2,4-Trichlorobenzene | 0.411 | 0.348 | 0.310 | 0.344 | 0.327 |
| Hexachlorobutadiene | 0.355 | 0.323 | 0.315 | 0.319 | 0.304 |
| Naphthalene | 0.394 | 0.351 | 0.284 | 0.300 | 0.284 |
| 1,2,3-Trichlorobenzene | 0.270 | 0.248 | 0.214 | 0.235 | 0.217 |
| TBA | 0.005 | 0.005 | 0.004 | 0.004 | 0.004 |
| MTBE | 0.404 | 0.392 | 0.347 | 0.351 | 0.353 |
| Freon TF | 0.715 | 0.660 | 0.634 | 0.608 | 0.599 |
| p-Ethyltoluene | | | | | |
| p-Diethylbenzene | | | | | |
| 1,2,4,5-Tetramethylbenzene | | | | | |
| Isopropanol | | | | | |
| n-Propanol | | | | | |
| 2-Methylnaphthalene | | | | | |
| Dimethylnaphthalene (total) | | | | | |
| Vinyl Acetate | | | | | |
| Hexane | | | | | |
| 1,4-Dioxane | | | | | |
| Cyclohexane | | | | | |
| Ethyl Acetate | 0.080 | 0.072 | 0.070 | 0.076 | 0.082 |
| 4-Bromofluorobenzene (SUR) | 0.581 | 0.574 | 0.569 | 0.579 | 0.554 |
| 1,2-Dichlorobenzene-d4 (SUR) | 0.325 | 0.327 | 0.326 | 0.340 | 0.331 |

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 524.2

Instrument ID: VOAMS5 Calibration Date(s): 04/13/06 04/13/06

Heated Purge: (Y/N) N Calibration Time(s): 0825 1025

| COMPOUND | CURVE | COEFFICENT A1 | %RSD OR R^2 |
|---|---|---|---|
| Dichlorodifluoromethane | AVRG | 0.44639977 | 3.2* |
| Chloromethane | AVRG | 0.33232805 | 4.4* |
| Vinyl Chloride | AVRG | 0.33202878 | 5.3* |
| Bromomethane | AVRG | 0.29132845 | 3.0* |
| Chloroethane | AVRG | 0.22659777 | 3.7* |
| Trichlorofluoromethane | AVRG | 0.60597893 | 4.0* |
| 1,1-Dichloroethene | AVRG | 0.51506908 | 5.4* |
| Methylene Chloride | AVRG | 0.22769200 | 4.1* |
| trans-1,2-Dichloroethene | AVRG | 0.35056375 | 6.7* |
| 1,1-Dichloroethane | AVRG | 0.64768373 | 3.9* |
| cis-1,2-Dichloroethene | AVRG | 0.33373292 | 9.5* |
| 2,2-Dichloropropane | AVRG | 0.54091763 | 5.2* |
| Bromochloromethane | AVRG | 0.12982212 | 5.3* |
| Chloroform | AVRG | 0.59565519 | 4.8* |
| 1,1,1-Trichloroethane | AVRG | 0.57982352 | 4.0* |
| 1,1-Dichloropropene | AVRG | 0.52197876 | 5.4* |
| Carbon Tetrachloride | AVRG | 0.54352884 | 4.9* |
| Benzene | AVRG | 0.94410462 | 4.9* |
| 1,2-Dichloroethane | AVRG | 0.22167843 | 5.6* |
| Trichloroethene | AVRG | 0.43001703 | 4.4* |
| 1,2-Dichloropropane | AVRG | 0.33525637 | 5.0* |
| Dibromomethane | AVRG | 0.14897223 | 3.3* |
| Bromodichloromethane | AVRG | 0.42442559 | 3.9* |
| cis-1,3-Dichloropropene | AVRG | 0.36147232 | 5.2* |
| Toluene | AVRG | 0.69847040 | 4.2* |
| trans-1,3-Dichloropropene | AVRG | 0.23844728 | 4.9* |
| 1,1,2-Trichloroethane | AVRG | 0.13936856 | 5.4* |
| Tetrachloroethene | AVRG | 0.52668752 | 6.0* |
| 1,3-Dichloropropane | AVRG | 0.28188844 | 6.3* |
| Dibromochloromethane | AVRG | 0.23121110 | 9.2* |
| 1,2-Dibromoethane | AVRG | 0.21730939 | 5.5* |
| Chlorobenzene | AVRG | 0.84023068 | 4.7* |
| 1,1,1,2-Tetrachloroethane | AVRG | 0.35135413 | 3.1* |
| Ethylbenzene | AVRG | 1.53951168 | 5.0* |
| Xylene (Total) | AVRG | 0.56063123 | 4.4* |
| Styrene | AVRG | 0.76582937 | 2.8* |
| Bromoform | AVRG | 0.08568959 | 16.2* |
| Isopropylbenzene | AVRG | 1.64195498 | 4.8* |
| 1,1,2,2-Tetrachloroethane | AVRG | 0.18800756 | 7.0* |

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 524.2

Instrument ID: VOAMS5 Calibration Date(s): 04/13/06 04/13/06

Heated Purge: (Y/N) N Calibration Time(s): 0825 1025

| COMPOUND | CURVE | COEFFICENT A1 | %RSD OR R^2 |
|---|---|---|---|
| Bromobenzene | AVRG | 0.33535394 | 3.6* |
| 1,2,3-Trichloropropane | AVRG | 0.04777300 | 8.4* |
| n-Propylbenzene | AVRG | 1.93323521 | 6.1* |
| 2-Chlorotoluene | AVRG | 1.11733290 | 6.4* |
| 1,3,5-Trimethylbenzene | AVRG | 1.22836859 | 6.3* |
| 4-Chlorotoluene | AVRG | 1.24357873 | 8.6* |
| tert-Butylbenzene | AVRG | 1.37867942 | 5.4* |
| 1,2,4-Trimethylbenzene | AVRG | 1.17357681 | 7.3* |
| sec-Butylbenzene | AVRG | 1.76742625 | 5.8* |
| m-Dichlorobenzene | AVRG | 0.65049886 | 6.8* |
| 4-Isopropyltoluene | AVRG | 1.56217073 | 6.1* |
| p-Dichlorobenzene | AVRG | 0.63074713 | 6.6* |
| n-Butylbenzene | AVRG | 1.44578801 | 6.7* |
| o-Dichlorobenzene | AVRG | 0.49693950 | 7.9* |
| 1,2-Dibromo-3-Chloropropane | AVRG | 0.02139318 | 9.4* |
| 1,2,4-Trichlorobenzene | AVRG | 0.34796735 | 11.0* |
| Hexachlorobutadiene | AVRG | 0.32325867 | 5.9* |
| Naphthalene | AVRG | 0.32252171 | 15.1* |
| 1,2,3-Trichlorobenzene | AVRG | 0.23695477 | 9.8* |
| TBA | AVRG | 0.00460510 | 13.8* |
| MTBE | AVRG | 0.36949112 | 7.2* |
| Freon TF | AVRG | 0.64322661 | 7.2* |
| p-Ethyltoluene | AVRG | | |
| p-Diethylbenzene | AVRG | | |
| 1,2,4,5-Tetramethylbenzene | AVRG | | |
| Isopropanol | AVRG | | |
| n-Propanol | AVRG | | |
| 2-Methylnaphthalene | AVRG | | |
| Dimethylnaphthalene (total) | AVRG | | |
| Vinyl Acetate | AVRG | | |
| Hexane | AVRG | | |
| 1,4-Dioxane | AVRG | | |
| Cyclohexane | AVRG | | |
| Ethyl Acetate | AVRG | 0.07614973 | 6.9* |
| 4-Bromofluorobenzene (SUR) | AVRG | 0.57145303 | 1.9* |
| 1,2-Dichlorobenzene-d4 (SUR) | AVRG | 0.32995954 | 1.9* |

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41267.d
Report Date: 19-Apr-2006 10:19

STL Edison

VOLATILE ORGANICS- METHOD 524.2

Data file : /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41267.d
Lab Smp Id: ESTD001
Inj Date : 13-APR-2006 09:25
Operator : VOAMS 5 Inst ID: VOAMS5.i
Smp Info : ESTD001
Misc Info :
Comment :
Method : /chem/VOAMS5.i/524/04-13-06/13apr06.b/524_2_05.m
Meth Date : 19-Apr-2006 10:19 lily Quant Type: ISTD
Cal Date : 13-APR-2006 09:25 Cal File: e41267.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 25.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 1 Dichlorodifluoromethane | 85 | 2.939 | 2.939 | (0.352) | 123363 | 1.00000 | 1.0 |
| 3 Chloromethane | 50 | 3.247 | 3.247 | (0.389) | 96984 | 1.00000 | 1.0 |
| 4 Vinyl Chloride | 62 | 3.452 | 3.438 | (0.414) | 95575 | 1.00000 | 1.0 |
| 5 Bromomethane | 94 | 3.966 | 3.951 | (0.476) | 83789 | 1.00000 | 1.0 |
| 6 Chloroethane | 64 | 4.069 | 4.069 | (0.488) | 63379 | 1.00000 | 1.0 |
| 7 Trichlorofluoromethane | 101 | 4.450 | 4.479 | (0.534) | 176264 | 1.00000 | 1.0 |
| 8 1,1-Dichloroethene | 61 | 5.125 | 5.140 | (0.615) | 155191 | 1.00000 | 1.1 |
| 111 Freon TF | 101 | 5.169 | 5.184 | (0.620) | 197220 | 1.00000 | 1.1 |
| 9 Methylene Chloride | 84 | 5.712 | 5.712 | (0.685) | 67138 | 1.00000 | 1.1 |
| 109 TBA | 59 | 5.814 | 5.815 | (0.697) | 140886 | 100.000 | 110 |
| 110 MTBE | 73 | 6.049 | 6.035 | (0.725) | 111381 | 1.00000 | 1.1 |
| 10 trans-1,2-Dichloroethene | 96 | 6.049 | 6.050 | (0.725) | 107156 | 1.00000 | 1.1 |
| 11 1,1-Dichloroethane | 63 | 6.519 | 6.519 | (0.782) | 191028 | 1.00000 | 1.1 |
| 12 cis-1,2-Dichloroethene | 96 | 7.135 | 7.136 | (0.856) | 107517 | 1.00000 | 1.2 |
| 13 2,2-Dichloropropane | 77 | 7.150 | 7.151 | (0.857) | 160304 | 1.00000 | 1.1 |
| 127 Ethyl Acetate | 43 | 7.164 | 7.180 | (0.859) | 44419 | 2.00000 | 2.1(H) |

Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41267.d
Report Date: 19-Apr-2006 10:19

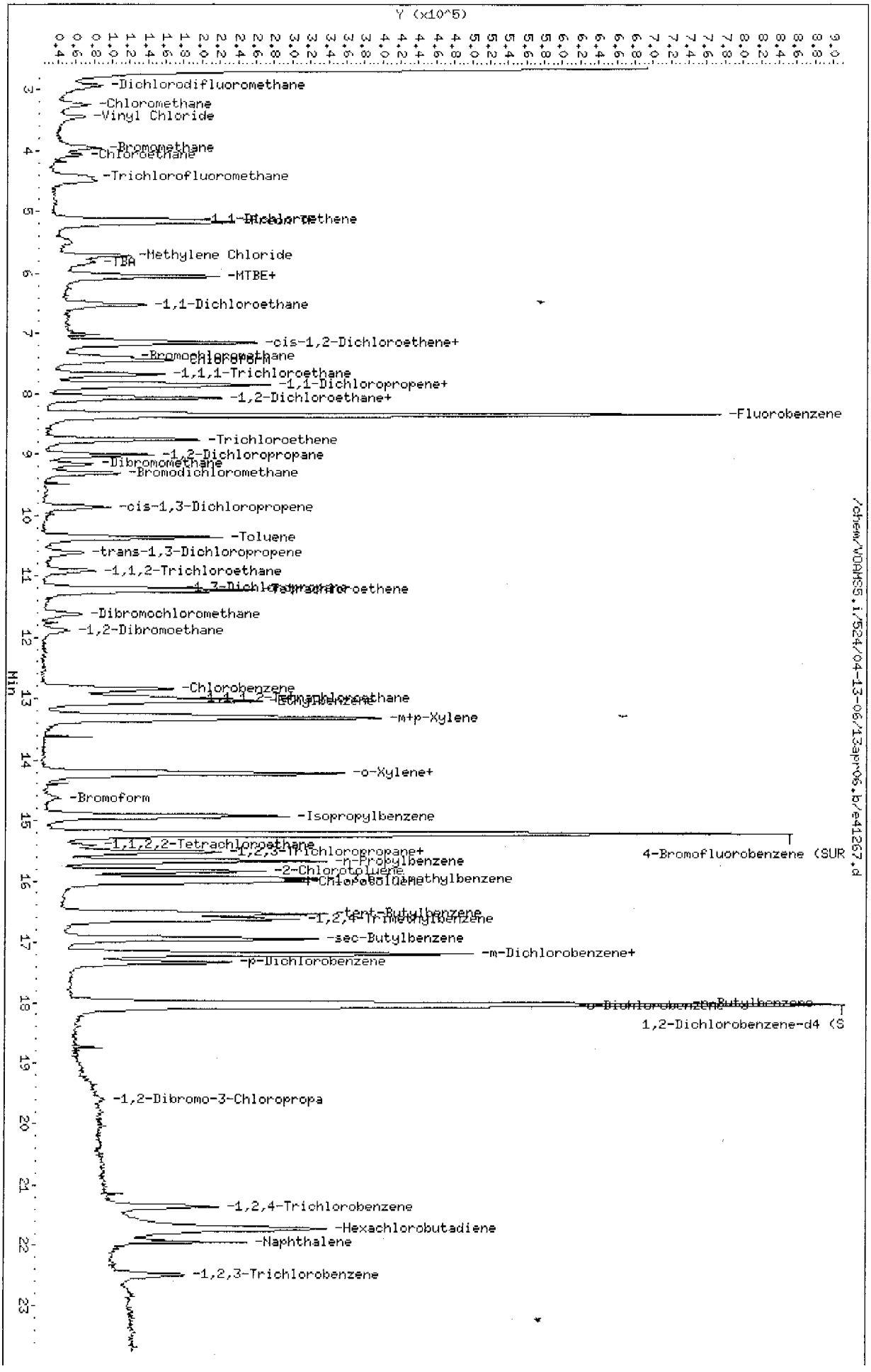
| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 14 Bromochloromethane | 128 | 7.385 | 7.386 | (0.886) | 38948 | 1.00000 | 1.1 |
| | 15 Chloroform | 83 | 7.443 | 7.444 | (0.893) | 177891 | 1.00000 | 1.1 |
| | 16 1,1,1-Trichloroethane | 97 | 7.678 | 7.680 | (0.921) | 171063 | 1.00000 | 1.1 |
| | 17 1,1-Dichloropropene | 75 | 7.840 | 7.841 | (0.940) | 157729 | 1.00000 | 1.1 |
| | 18 Carbon Tetrachloride | 117 | 7.869 | 7.870 | (0.944) | 162712 | 1.00000 | 1.1 |
| | 20 1,2-Dichloroethane | 62 | 8.060 | 8.062 | (0.967) | 66640 | 1.00000 | 1.1 |
| | 19 Benzene | 78 | 8.074 | 8.062 | (0.968) | 283095 | 1.00000 | 1.1 |
| * | 2 Fluorobenzene | 96 | 8.338 | 8.343 | (1.000) | 1379311 | 5.00000 | |
| | 21 Trichloroethene | 95 | 8.749 | 8.757 | (1.049) | 127499 | 1.00000 | 1.1 |
| | 22 1,2-Dichloropropane | 63 | 9.013 | 9.008 | (1.081) | 99808 | 1.00000 | 1.1 |
| | 23 Dibromomethane | 93 | 9.160 | 9.156 | (1.098) | 42784 | 1.00000 | 1.0 |
| | 24 Bromodichloromethane | 83 | 9.306 | 9.318 | (1.116) | 121645 | 1.00000 | 1.0 |
| | 25 cis-1,3-Dichloropropene | 75 | 9.864 | 9.865 | (1.183) | 99187 | 1.00000 | 0.99 |
| | 26 Toluene | 92 | 10.362 | 10.366 | (1.243) | 206940 | 1.00000 | 1.1 |
| | 27 trans-1,3-Dichloropropene | 75 | 10.611 | 10.618 | (1.273) | 66575 | 1.00000 | 1.0 |
| | 28 1,1,2-Trichloroethane | 83 | 10.919 | 10.913 | (1.309) | 41368 | 1.00000 | 1.1 |
| | 30 1,3-Dichloropropane | 76 | 11.198 | 11.208 | (1.343) | 83128 | 1.00000 | 1.1 |
| | 29 Tetrachloroethene | 166 | 11.242 | 11.238 | (1.348) | 160965 | 1.00000 | 1.1 |
| | 31 Dibromochloromethane | 129 | 11.623 | 11.622 | (1.394) | 57532 | 1.00000 | 0.90 |
| | 32 1,2-Dibromoethane | 107 | 11.887 | 11.889 | (1.426) | 64457 | 1.00000 | 1.1 |
| | 33 Chlorobenzene | 112 | 12.854 | 12.850 | (1.542) | 249810 | 1.00000 | 1.1 |
| | 34 1,1,1,2-Tetrachloroethane | 131 | 12.986 | 12.983 | (1.557) | 101087 | 1.00000 | 1.0 |
| | 35 Ethylbenzene | 91 | 13.045 | 13.042 | (1.564) | 460681 | 1.00000 | 1.1 |
| | 36 m+p-Xylene | 106 | 13.309 | 13.310 | (1.596) | 341985 | 2.00000 | 2.1 |
| | 37 o-Xylene | 106 | 14.218 | 14.210 | (1.705) | 157590 | 1.00000 | 1.1 |
| | 39 Styrene | 104 | 14.233 | 14.239 | (1.707) | 220569 | 1.00000 | 1.0 |
| | 40 Bromoform | 173 | 14.629 | 14.625 | (1.754) | 20313 | 1.00000 | 0.86 |
| | 41 Isopropylbenzene | 105 | 14.922 | 14.921 | (1.790) | 489476 | 1.00000 | 1.1 |
| $ | 42 4-Bromofluorobenzene (SUR) | 95 | 15.218 | 15.215 | (1.825) | 801118 | 5.00000 | 5.1 |
| | 43 1,1,2,2-Tetrachloroethane | 83 | 15.410 | 15.423 | (1.848) | 53610 | 1.00000 | 1.0 |
| | 45 1,2,3-Trichloropropane | 110 | 15.529 | 15.526 | (1.862) | 13700 | 1.00000 | 1.0 |
| | 44 Bromobenzene | 156 | 15.514 | 15.526 | (1.860) | 97353 | 1.00000 | 1.0 |
| | 46 n-Propylbenzene | 91 | 15.662 | 15.660 | (1.878) | 587229 | 1.00000 | 1.1 |
| | 47 2-Chlorotoluene | 91 | 15.840 | 15.837 | (1.900) | 340835 | 1.00000 | 1.1 |
| | 48 1,3,5-Trimethylbenzene | 105 | 15.958 | 15.956 | (1.914) | 374929 | 1.00000 | 1.1 |
| | 49 4-Chlorotoluene | 91 | 16.017 | 16.016 | (1.921) | 392909 | 1.00000 | 1.1 |
| | 50 tert-Butylbenzene | 119 | 16.536 | 16.535 | (1.983) | 414506 | 1.00000 | 1.1 |
| | 51 1,2,4-Trimethylbenzene | 105 | 16.625 | 16.624 | (1.994) | 363685 | 1.00000 | 1.1 |
| | 52 sec-Butylbenzene | 105 | 16.937 | 16.935 | (2.031) | 533425 | 1.00000 | 1.1 |
| | 53 m-Dichlorobenzene | 146 | 17.175 | 17.172 | (2.060) | 199772 | 1.00000 | 1.1 |
| | 54 4-Isopropyltoluene | 119 | 17.189 | 17.202 | (2.061) | 474358 | 1.00000 | 1.1 |
| | 55 p-Dichlorobenzene | 146 | 17.338 | 17.334 | (2.079) | 190930 | 1.00000 | 1.1 |
| | 56 n-Butylbenzene | 91 | 18.004 | 18.000 | (2.159) | 443983 | 1.00000 | 1.1 |
| $ | 57 1,2-Dichlorobenzene-d4 (SUR) | 152 | 18.034 | 18.045 | (2.163) | 447766 | 5.00000 | 4.9 |
| | 58 o-Dichlorobenzene | 146 | 18.064 | 18.074 | (2.166) | 152567 | 1.00000 | 1.1 |
| | 60 1,2,4-Trichlorobenzene | 180 | 21.355 | 21.361 | (2.561) | 113420 | 1.00000 | 1.2 |
| | 61 Hexachlorobutadiene | 225 | 21.726 | 21.717 | (2.606) | 97882 | 1.00000 | 1.1 |

Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41267.d
Report Date: 19-Apr-2006 10:19

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 62 Naphthalene | 128 | 21.934 | 21.925 | (2.630) | 108776 | 1.00000 | 1.2 |
| 63 1,2,3-Trichlorobenzene | 180 | 22.498 | 22.489 | (2.698) | 74534 | 1.00000 | 1.1 |
| M 38 Xylene (Total) | 100 | | | | 499575 | 3.00000 | 3.2 |

QC Flag Legend

H - Operator selected an alternate compound hit.


Y (x10^5)
Min
-Dichlorodifluoromethane
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-1,1-Dichloroethene
-Methylene Chloride
-TBA
-MTBE+
-1,1-Dichloroethane
-cis-1,2-Dichloroethene+
-Bromochloromethane
Chloroform
-1,1,1-Trichloroethane
-1,1-Dichloropropene+
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane
-Dibromomethane
-Bromodichloromethane
-cis-1,3-Dichloropropene
-Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-1,3-Dichloropropane
Tetrachloroethene
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene
1,1,1,2-Tetrachloroethane
Ethylbenzene
-m+p-Xylene
-o-Xylene+
-Bromoform
-Isopropylbenzene
4-Bromofluorobenzene (SUR
-1,1,2,2-Tetrachloroethane
-1,2,3-Trichloropropane+
-n-Propylbenzene
-2-Chlorotoluene
4-Chlorotoluene
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-m-Dichlorobenzene+
-p-Dichlorobenzene
-o-Dichlorobenzene
Butylbenzene
1,2-Dichlorobenzene-d4 (S
-1,2-Dibromo-3-Chloropropa
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
/chem/VOAMS5.i/524/04-13-06/13apr06.b/e41267.d
Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41267.d
Date : 13-APR-2006 09:25
Client ID:
Sample Info: ESTD001
Purge Volume: 25.0
Column phase: DB624
Instrument: VOAMS5.i
Operator: VOAMS 5
Column diameter: 0.53

Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41266.d
Report Date: 19-Apr-2006 10:19

STL Edison

VOLATILE ORGANICS- METHOD 524.2

Data file : /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41266.d
Lab Smp Id: ESTD002
Inj Date : 13-APR-2006 08:55
Operator : VOAMS 5 - Inst ID: VOAMS5.i
Smp Info : ESTD002
Misc Info :
Comment :
Method : /chem/VOAMS5.i/524/04-13-06/13apr06.b/524_2_05.m
Meth Date : 19-Apr-2006 10:19 lily Quant Type: ISTD
Cal Date : 13-APR-2006 08:55 Cal File: e41266.d
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 25.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 1 Dichlorodifluoromethane | 85 | 2.939 | 2.939 | (0.352) | 242874 | 2.00000 | 1.9 |
| 3 Chloromethane | 50 | 3.247 | 3.247 | (0.389) | 181150 | 2.00000 | 1.9 |
| 4 Vinyl Chloride | 62 | 3.438 | 3.438 | (0.412) | 171696 | 2.00000 | 1.8 |
| 5 Bromomethane | 94 | 3.951 | 3.951 | (0.474) | 160385 | 2.00000 | 2.0 |
| 6 Chloroethane | 64 | 4.069 | 4.069 | (0.488) | 126367 | 2.00000 | 2.0 |
| 7 Trichlorofluoromethane | 101 | 4.479 | 4.479 | (0.537) | 326593 | 2.00000 | 1.9 |
| 8 1,1-Dichloroethene | 61 | 5.140 | 5.140 | (0.616) | 287039 | 2.00000 | 2.0 |
| 111 Freon TF | 101 | 5.184 | 5.184 | (0.621) | 371418 | 2.00000 | 2.0 |
| 9 Methylene Chloride | 84 | 5.712 | 5.712 | (0.685) | 125871 | 2.00000 | 2.0 |
| 109 TBA | 59 | 5.815 | 5.815 | (0.697) | 304615 | 200.000 | 240 |
| 110 MTBE | 73 | 6.035 | 6.035 | (0.723) | 220739 | 2.00000 | 2.1 |
| 10 trans-1,2-Dichloroethene | 96 | 6.050 | 6.050 | (0.725) | 199388 | 2.00000 | 2.0 |
| 11 1,1-Dichloroethane | 63 | 6.519 | 6.519 | (0.781) | 361268 | 2.00000 | 2.0 |
| 12 cis-1,2-Dichloroethene | 96 | 7.136 | 7.136 | (0.855) | 184935 | 2.00000 | 2.0 |
| 13 2,2-Dichloropropane | 77 | 7.151 | 7.151 | (0.857) | 302603 | 2.00000 | 2.0 |
| 127 Ethyl Acetate | 43 | 7.180 | 7.180 | (0.861) | 80963 | 4.00000 | 3.8(H) |

Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41266.d
Report Date: 19-Apr-2006 10:19

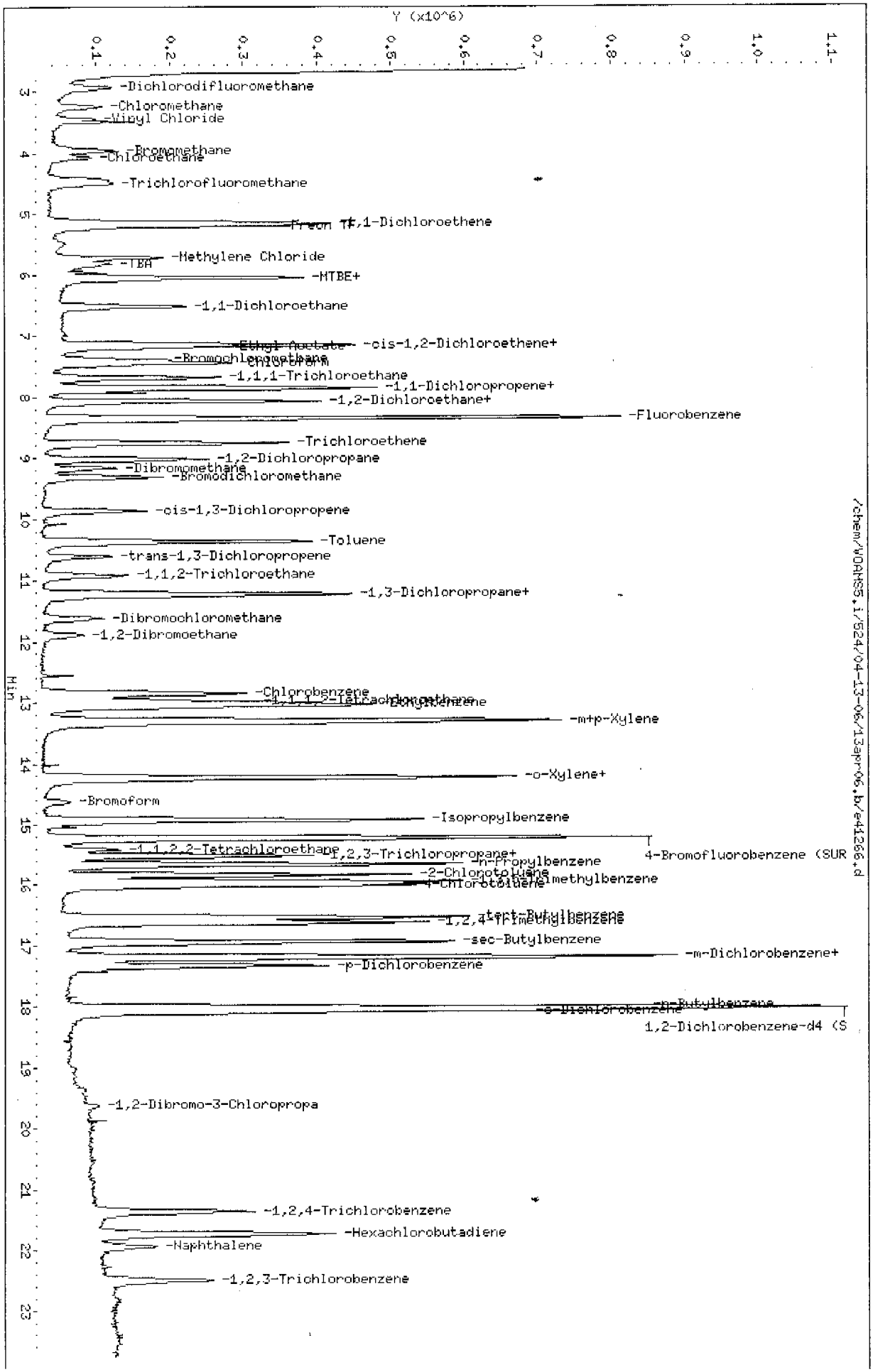
| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 14 Bromochloromethane | 128 | 7.386 | 7.386 | (0.885) | 72227 | 2.00000 | 2.0 |
| | 15 Chloroform | 83 | 7.444 | 7.444 | (0.892) | 335007 | 2.00000 | 2.0 |
| | 16 1,1,1-Trichloroethane | 97 | 7.680 | 7.680 | (0.920) | 322444 | 2.00000 | 2.0 |
| | 17 1,1-Dichloropropene | 75 | 7.841 | 7.841 | (0.940) | 291069 | 2.00000 | 2.0 |
| | 18 Carbon Tetrachloride | 117 | 7.870 | 7.870 | (0.943) | 294017 | 2.00000 | 1.9 |
| | 20 1,2-Dichloroethane | 62 | 8.062 | 8.062 | (0.966) | 126562 | 2.00000 | 2.0 |
| | 19 Benzene | 78 | 8.062 | 8.062 | (0.966) | 522824 | 2.00000 | 2.0 |
| * | 2 Fluorobenzene | 96 | 8.343 | 8.343 | (1.000) | 1406081 | 5.00000 | |
| | 21 Trichloroethene | 95 | 8.757 | 8.757 | (1.050) | 241621 | 2.00000 | 2.0 |
| | 22 1,2-Dichloropropane | 63 | 9.008 | 9.008 | (1.080) | 188677 | 2.00000 | 2.0 |
| | 23 Dibromomethane | 93 | 9.156 | 9.156 | (1.097) | 85259 | 2.00000 | 2.0 |
| | 24 Bromodichloromethane | 83 | 9.318 | 9.318 | (1.117) | 228679 | 2.00000 | 1.9 |
| | 25 cis-1,3-Dichloropropene | 75 | 9.865 | 9.865 | (1.182) | 190072 | 2.00000 | 1.9 |
| | 26 Toluene | 92 | 10.366 | 10.366 | (1.242) | 384642 | 2.00000 | 2.0 |
| | 27 trans-1,3-Dichloropropene | 75 | 10.618 | 10.618 | (1.273) | 128809 | 2.00000 | 1.9 |
| | 28 1,1,2-Trichloroethane | 83 | 10.913 | 10.913 | (1.308) | 81169 | 2.00000 | 2.1 |
| | 30 1,3-Dichloropropane | 76 | 11.208 | 11.208 | (1.343) | 166975 | 2.00000 | 2.1 |
| | 29 Tetrachloroethene | 166 | 11.238 | 11.238 | (1.347) | 288712 | 2.00000 | 1.9 |
| | 31 Dibromochloromethane | 129 | 11.622 | 11.622 | (1.393) | 123907 | 2.00000 | 1.9 |
| | 32 1,2-Dibromoethane | 107 | 11.889 | 11.889 | (1.425) | 126310 | 2.00000 | 2.1 |
| | 33 Chlorobenzene | 112 | 12.850 | 12.850 | (1.540) | 474767 | 2.00000 | 2.0 |
| | 34 1,1,1,2-Tetrachloroethane | 131 | 12.983 | 12.983 | (1.556) | 196797 | 2.00000 | 2.0 |
| | 35 Ethylbenzene | 91 | 13.042 | 13.042 | (1.563) | 858445 | 2.00000 | 2.0 |
| | 36 m+p-Xylene | 106 | 13.310 | 13.310 | (1.595) | 635755 | 4.00000 | 3.9 |
| | 37 o-Xylene | 106 | 14.210 | 14.210 | (1.703) | 301809 | 2.00000 | 2.0 |
| | 39 Styrene | 104 | 14.239 | 14.239 | (1.707) | 424712 | 2.00000 | 2.0 |
| | 40 Bromoform | 173 | 14.625 | 14.625 | (1.753) | 43137 | 2.00000 | 1.8 |
| | 41 Isopropylbenzene | 105 | 14.921 | 14.921 | (1.788) | 917698 | 2.00000 | 2.0 |
| $ | 42 4-Bromofluorobenzene (SUR) | 95 | 15.215 | 15.215 | (1.824) | 807556 | 5.00000 | 5.0 |
| | 43 1,1,2,2-Tetrachloroethane | 83 | 15.423 | 15.423 | (1.849) | 116276 | 2.00000 | 2.2 |
| | 45 1,2,3-Trichloropropane | 110 | 15.526 | 15.526 | (1.861) | 30381 | 2.00000 | 2.3 |
| | 44 Bromobenzene | 156 | 15.526 | 15.526 | (1.861) | 192012 | 2.00000 | 2.0 |
| | 46 n-Propylbenzene | 91 | 15.660 | 15.660 | (1.877) | 1092656 | 2.00000 | 2.0 |
| | 47 2-Chlorotoluene | 91 | 15.837 | 15.837 | (1.898) | 635850 | 2.00000 | 2.0 |
| | 48 1,3,5-Trimethylbenzene | 105 | 15.956 | 15.956 | (1.913) | 690671 | 2.00000 | 2.0 |
| | 49 4-Chlorotoluene | 91 | 16.016 | 16.016 | (1.920) | 708078 | 2.00000 | 2.0 |
| | 50 tert-Butylbenzene | 119 | 16.535 | 16.535 | (1.982) | 776722 | 2.00000 | 2.0 |
| | 51 1,2,4-Trimethylbenzene | 105 | 16.624 | 16.624 | (1.993) | 664996 | 2.00000 | 2.0 |
| | 52 sec-Butylbenzene | 105 | 16.935 | 16.935 | (2.030) | 997850 | 2.00000 | 2.0 |
| | 53 m-Dichlorobenzene | 146 | 17.172 | 17.172 | (2.058) | 367356 | 2.00000 | 2.0 |
| | 54 4-Isopropyltoluene | 119 | 17.202 | 17.202 | (2.062) | 885033 | 2.00000 | 2.0 |
| | 55 p-Dichlorobenzene | 146 | 17.334 | 17.334 | (2.078) | 368647 | 2.00000 | 2.1 |
| | 56 n-Butylbenzene | 91 | 18.000 | 18.000 | (2.158) | 815735 | 2.00000 | 2.0 |
| $ | 57 1,2-Dichlorobenzene-d4 (SUR) | 152 | 18.045 | 18.045 | (2.163) | 459956 | 5.00000 | 5.0 |
| | 58 o-Dichlorobenzene | 146 | 18.074 | 18.074 | (2.166) | 292703 | 2.00000 | 2.1 |
| | 59 1,2-Dibromo-3-Chloropropane | 75 | 19.626 | 19.626 | (2.352) | 12722 | 2.00000 | 2.1 |
| | 60 1,2,4-Trichlorobenzene | 180 | 21.361 | 21.361 | (2.560) | 195612 | 2.00000 | 2.0 |

Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41266.d
Report Date: 19-Apr-2006 10:19

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 61 Hexachlorobutadiene | 225 | 21.717 | 21.717 | (2.603) | 181892 | 2.00000 | 2.0 |
| | 62 Naphthalene | 128 | 21.925 | 21.925 | (2.628) | 197514 | 2.00000 | 2.2 |
| | 63 1,2,3-Trichlorobenzene | 180 | 22.489 | 22.489 | (2.696) | 139645 | 2.00000 | 2.1 |
| M | 38 Xylene (Total) | 100 | | | | 937564 | 6.00000 | 5.9 |

QC Flag Legend

H - Operator selected an alternate compound hit.


Y (x10^6)
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0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
Min
3
4
5
6
7
8
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10
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16
17
18
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20
21
22
23
-Dichlorodifluoromethane
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
Freon TF,1-Dichloroethene
-Methylene Chloride
-TBA
-MTBE+
-1,1-Dichloroethane
-cis-1,2-Dichloroethene+
-Bromochloromethane
Chloroform
-1,1,1-Trichloroethane
-1,1-Dichloropropene+
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane
-Dibromomethane
-Bromodichloromethane
-cis-1,3-Dichloropropene
-Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene
-1,1,1,2-Tetrachloroethane
Ethylbenzene
-m+p-Xylene
-o-Xylene+
-Bromoform
-Isopropylbenzene
4-Bromofluorobenzene (SUR
-1,1,2,2-Tetrachloroethane
1,2,3-Trichloropropane+
-n-Propylbenzene
-2-Chlorotoluene
4-Chlorotoluene
Trimethylbenzene
tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-m-Dichlorobenzene+
-p-Dichlorobenzene
-n-Butylbenzene
-o-Dichlorobenzene
1,2-Dichlorobenzene-d4 (S
-1,2-Dibromo-3-Chloropropa
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
/chem/WOAHSS.i/524/04-13-06/13apr06.b/e41266.d
Data File: /chem/WOAHSS.i/524/04-13-06/13apr06.b/e41266.d
Date : 13-APR-2006 08:55
Client ID:
Sample Info: ESTD002
Purge Volume: 25.0
Column phase: DB624
Instrument: WOAHSS.i
Operator: WOAHS 5
Column diameter: 0.53

Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41265.d
Report Date: 19-Apr-2006 10:19

STL Edison

VOLATILE ORGANICS- METHOD 524.2

Data file : /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41265.d
Lab Smp Id: ESTD005
Inj Date : 13-APR-2006 08:25
Operator : VOAMS 5 Inst ID: VOAMS5.i
Smp Info : ESTD005
Misc Info :
Comment :
Method : /chem/VOAMS5.i/524/04-13-06/13apr06.b/524_2_05.m
Meth Date : 19-Apr-2006 10:19 lily Quant Type: ISTD
Cal Date : 13-APR-2006 08:25 Cal File: e41265.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 25.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 1 Dichlorodifluoromethane | 85 | 2.910 | 2.939 | (0.349) | 596839 | 5.00000 | 5.1 |
| 3 Chloromethane | 50 | 3.219 | 3.247 | (0.386) | 421651 | 5.00000 | 4.9 |
| 4 Vinyl Chloride | 62 | 3.425 | 3.438 | (0.411) | 427553 | 5.00000 | 4.9 |
| 5 Bromomethane | 94 | 3.924 | 3.951 | (0.471) | 385359 | 5.00000 | 5.1 |
| 6 Chloroethane | 64 | 4.041 | 4.069 | (0.485) | 311657 | 5.00000 | 5.3 |
| 7 Trichlorofluoromethane | 101 | 4.453 | 4.479 | (0.535) | 809954 | 5.00000 | 5.1 |
| 8 1,1-Dichloroethene | 61 | 5.099 | 5.140 | (0.612) | 659138 | 5.00000 | 4.9 |
| 111 Freon TF | 101 | 5.143 | 5.184 | (0.617) | 826303 | 5.00000 | 4.9 |
| 9 Methylene Chloride | 84 | 5.686 | 5.712 | (0.683) | 286134 | 5.00000 | 4.8 |
| 109 TBA | 59 | 5.789 | 5.815 | (0.695) | 518440 | 500.000 | 430 |
| 110 MTBE | 73 | 6.009 | 6.035 | (0.721) | 452583 | 5.00000 | 4.7 |
| 10 trans-1,2-Dichloroethene | 96 | 6.024 | 6.050 | (0.723) | 451921 | 5.00000 | 4.9 |
| 11 1,1-Dichloroethane | 63 | 6.494 | 6.519 | (0.780) | 832624 | 5.00000 | 4.9 |
| 12 cis-1,2-Dichloroethene | 96 | 7.110 | 7.136 | (0.854) | 412373 | 5.00000 | 4.7 |
| 13 2,2 Dichloropropane | 77 | 7.125 | 7.151 | (0.855) | 721482 | 5.00000 | 5.1 |
| 127 Ethyl Acetate | 43 | 7.154 | 7.180 | (0.859) | 182449 | 10.0000 | 9.2(H) |

Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41265.d
Report Date: 19-Apr-2006 10:19

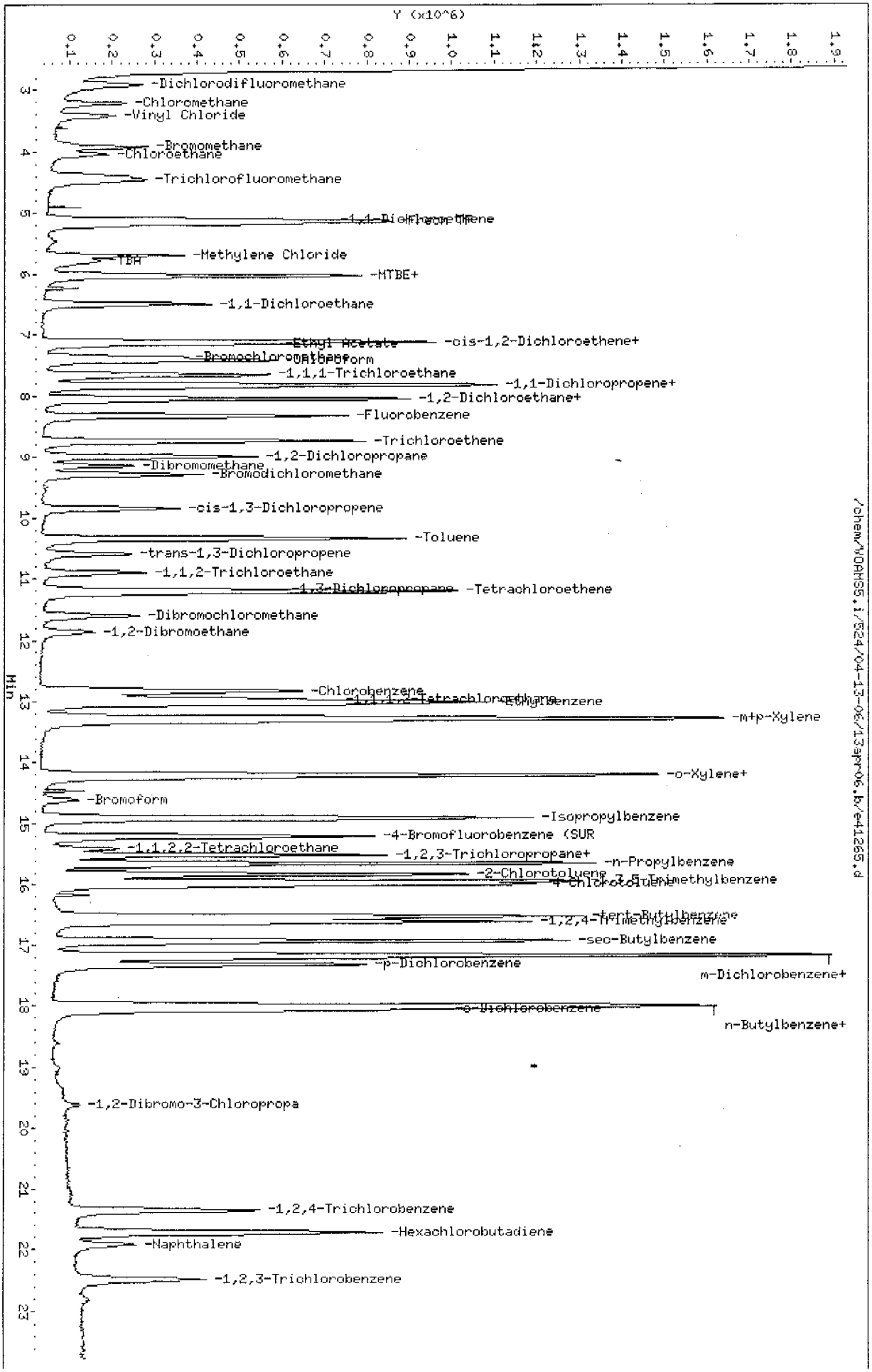
| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 14 Bromochloromethane | 128 | 7.374 | 7.386 | (0.885) | 159675 | 5.00000 | 4.7 |
| | 15 Chloroform | 83 | 7.418 | 7.444 | (0.891) | 753504 | 5.00000 | 4.8 |
| | 16 1,1,1-Trichloroethane | 97 | 7.668 | 7.680 | (0.921) | 745513 | 5.00000 | 4.9 |
| | 17 1,1-Dichloropropene | 75 | 7.815 | 7.841 | (0.938) | 667529 | 5.00000 | 4.9 |
| | 18 Carbon Tetrachloride | 117 | 7.844 | 7.870 | (0.942) | 701682 | 5.00000 | 4.9 |
| | 20 1,2-Dichloroethane | 62 | 8.035 | 8.062 | (0.965) | 273830 | 5.00000 | 4.7 |
| | 19 Benzene | 78 | 8.050 | 8.062 | (0.966) | 1195863 | 5.00000 | 4.8 |
| * | 2 Fluorobenzene | 96 | 8.329 | 8.343 | (1.000) | 1304100 | 5.00000 | |
| | 21 Trichloroethene | 95 | 8.740 | 8.757 | (1.049) | 552893 | 5.00000 | 4.9 |
| | 22 1,2-Dichloropropane | 63 | 8.990 | 9.008 | (1.079) | 410893 | 5.00000 | 4.7 |
| | 23 Dibromomethane | 93 | 9.136 | 9.156 | (1.097) | 184789 | 5.00000 | 4.8 |
| | 24 Bromodichloromethane | 83 | 9.298 | 9.318 | (1.116) | 530895 | 5.00000 | 4.8 |
| | 25 cis-1,3-Dichloropropene | 75 | 9.841 | 9.865 | (1.182) | 456201 | 5.00000 | 4.8 |
| | 26 Toluene | 92 | 10.340 | 10.366 | (1.241) | 885183 | 5.00000 | 4.8 |
| | 27 trans-1,3-Dichloropropene | 75 | 10.590 | 10.618 | (1.271) | 292222 | 5.00000 | 4.7 |
| | 28 1,1,2-Trichloroethane | 83 | 10.898 | 10.913 | (1.308) | 171531 | 5.00000 | 4.7 |
| | 30 1,3-Dichloropropane | 76 | 11.177 | 11.208 | (1.342) | 334981 | 5.00000 | 4.6 |
| | 29 Tetrachloroethene | 166 | 11.221 | 11.238 | (1.347) | 667789 | 5.00000 | 4.9 |
| | 31 Dibromochloromethane | 129 | 11.603 | 11.622 | (1.393) | 286548 | 5.00000 | 4.8 |
| | 32 1,2-Dibromoethane | 107 | 11.867 | 11.889 | (1.425) | 264907 | 5.00000 | 4.7 |
| | 33 Chlorobenzene | 112 | 12.835 | 12.850 | (1.541) | 1046970 | 5.00000 | 4.8 |
| | 34 1,1,1,2-Tetrachloroethane | 131 | 12.968 | 12.983 | (1.557) | 438454 | 5.00000 | 4.8 |
| | 35 Ethylbenzene | 91 | 13.027 | 13.042 | (1.564) | 1985463 | 5.00000 | 4.9 |
| | 36 m+p-Xylene | 106 | 13.291 | 13.310 | (1.596) | 1478758 | 10.0000 | 9.8 |
| | 37 o-Xylene | 106 | 14.200 | 14.210 | (1.705) | 661381 | 5.00000 | 4.8 |
| | 39 Styrene | 104 | 14.215 | 14.239 | (1.707) | 971507 | 5.00000 | 4.9 |
| | 40 Bromoform | 173 | 14.611 | 14.625 | (1.754) | 100283 | 5.00000 | 4.5 |
| | 41 Isopropylbenzene | 105 | 14.920 | 14.921 | (1.791) | 2115569 | 5.00000 | 4.9 |
| $ | 42 4-Bromofluorobenzene (SUR) | 95 | 15.213 | 15.215 | (1.827) | 742684 | 5.00000 | 5.0 |
| | 43 1,1,2,2-Tetrachloroethane | 83 | 15.405 | 15.423 | (1.849) | 223931 | 5.00000 | 4.6 |
| | 45 1,2,3-Trichloropropane | 110 | 15.522 | 15.526 | (1.864) | 58928 | 5.00000 | 4.7 |
| | 44 Bromobenzene | 156 | 15.508 | 15.526 | (1.862) | 422414 | 5.00000 | 4.8 |
| | 46 n-Propylbenzene | 91 | 15.655 | 15.660 | (1.880) | 2477527 | 5.00000 | 4.9 |
| | 47 2-Chlorotoluene | 91 | 15.831 | 15.837 | (1.901) | 1416719 | 5.00000 | 4.9 |
| | 48 1,3,5-Trimethylbenzene | 105 | 15.949 | 15.956 | (1.915) | 1572998 | 5.00000 | 4.9 |
| | 49 4-Chlorotoluene | 91 | 15.993 | 16.016 | (1.920) | 1533523 | 5.00000 | 4.7 |
| | 50 tert-Butylbenzene | 119 | 16.522 | 16.535 | (1.984) | 1768213 | 5.00000 | 4.9 |
| | 51 1,2,4-Trimethylbenzene | 105 | 16.611 | 16.624 | (1.994) | 1468526 | 5.00000 | 4.8 |
| | 52 sec-Butylbenzene | 105 | 16.934 | 16.935 | (2.033) | 2289471 | 5.00000 | 5.0 |
| | 53 m-Dichlorobenzene | 146 | 17.170 | 17.172 | (2.061) | 797973 | 5.00000 | 4.7 |
| | 54 4-Isopropyltoluene | 119 | 17.185 | 17.202 | (2.063) | 1980712 | 5.00000 | 4.9 |
| | 55 p-Dichlorobenzene | 146 | 17.317 | 17.334 | (2.079) | 778312 | 5.00000 | 4.7 |
| | 56 n-Butylbenzene | 91 | 17.994 | 18.000 | (2.160) | 1843887 | 5.00000 | 4.9 |
| $ | 57 1,2-Dichlorobenzene-d4 (SUR) | 152 | 18.023 | 18.045 | (2.164) | 425714 | 5.00000 | 4.9 |
| | 58 o-Dichlorobenzene | 146 | 18.067 | 18.074 | (2.169) | 597715 | 5.00000 | 4.6 |
| | 59 1,2-Dibromo-3-Chloropropane | 75 | 19.611 | 19.626 | (2.355) | 24016 | 5.00000 | 4.3 |
| | 60 1,2,4-Trichlorobenzene | 180 | 21.363 | 21.361 | (2.565) | 404189 | 5.00000 | 4.4 |

Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41265.d
Report Date: 19-Apr-2006 10:19

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 61 Hexachlorobutadiene | 225 | 21.717 | 21.717 | (2.607) | 410317 | 5.00000 | 4.9 |
| | 62 Naphthalene | 128 | 21.924 | 21.925 | (2.632) | 370280 | 5.00000 | 4.4 |
| | 63 1,2,3-Trichlorobenzene | 180 | 22.484 | 22.489 | (2.699) | 279119 | 5.00000 | 4.5 |
| M | 38 Xylene (Total) | 100 | | | | 2140139 | 15.0000 | 15 |

QC Flag Legend

H - Operator selected an alternate compound hit.


Y (x10^6)
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0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1.8
1.9
Min
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
-Dichlorodifluoromethane
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-1,1-Dichloroethene
-Methylene Chloride
TBM
-MTBE+
-1,1-Dichloroethane
-cis-1,2-Dichloroethene+
-1,1,1-Trichloroethane
-1,1-Dichloropropene+
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane
-Dibromomethane
-Bromodichloromethane
-cis-1,3-Dichloropropene
-Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene
-Ethylbenzene
-m+p-Xylene
-o-Xylene+
-Bromoform
-Isopropylbenzene
-4-Bromofluorobenzene (SUR
-1,1,2,2-Tetrachloroethane
-1,2,3-Trichloropropane+
-n-Propylbenzene
-2-Chlorotoluene
-4-Chlorotoluene
-1,3,5-Trimethylbenzene
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-p-Dichlorobenzene
m-Dichlorobenzene+
-o-Dichlorobenzene
n-Butylbenzene+
-1,2-Dibromo-3-Chloropropa
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
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Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41265.d
Date : 13-APR-2006 08:25
Client ID:
Sample Info: ESTD005
Purge Volume: 25.0
Column phase: DB624
Instrument: VOAMS5.i
Operator: VOAMS 5
Column diameter: 0.53

Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41269.d
Report Date: 19-Apr-2006 10:20

STL Edison

VOLATILE ORGANICS- METHOD 524.2

Data file : /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41269.d
Lab Smp Id: ESTD020
Inj Date : 13-APR-2006 10:25
Operator : VOAMS 5 Inst ID: VOAMS5.i
Smp Info : ESTD020
Misc Info :
Comment :
Method : /chem/VOAMS5.i/524/04-13-06/13apr06.b/524_2_05.m
Meth Date : 19-Apr-2006 10:20 lily Quant Type: ISTD
Cal Date : 13-APR-2006 10:25 Cal File: e41269.d
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 25.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL AMT ( ug/L) | AMOUNTS ON COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 1 Dichlorodifluoromethane | 85 | 2.924 | 2.939 | (0.351) | 2245405 | 20.0000 | 19 |
| 3 Chloromethane | 50 | 3.247 | 3.247 | (0.389) | 1663680 | 20.0000 | 19 |
| 4 Vinyl Chloride | 62 | 3.438 | 3.438 | (0.412) | 1721485 | 20.0000 | 20 |
| 5 Bromomethane | 94 | 3.952 | 3.951 | (0.474) | 1464598 | 20.0000 | 19 |
| 6 Chloroethane | 64 | 4.054 | 4.069 | (0.486) | 1124308 | 20.0000 | 19 |
| 7 Trichlorofluoromethane | 101 | 4.480 | 4.479 | (0.537) | 3048400 | 20.0000 | 19 |
| 8 1,1-Dichloroethene | 61 | 5.126 | 5.140 | (0.614) | 2552135 | 20.0000 | 19 |
| 111 Freon TF | 101 | 5.170 | 5.184 | (0.620) | 3162327 | 20.0000 | 19 |
| 9 Methylene Chloride | 84 | 5.713 | 5.712 | (0.685) | 1162987 | 20.0000 | 20 |
| 109 TBA | 59 | 5.816 | 5.815 | (0.697) | 1162201 | 1000.00 | 970 |
| 110 MTBE | 73 | 6.036 | 6.035 | (0.724) | 1825050 | 20.0000 | 19 |
| 10 trans-1,2-Dichloroethene | 96 | 6.036 | 6.050 | (0.724) | 1706935 | 20.0000 | 19 |
| 11 1,1-Dichloroethane | 63 | 6.506 | 6.519 | (0.780) | 3277125 | 20.0000 | 19 |
| 12 cis-1,2-Dichloroethene | 96 | 7.123 | 7.136 | (0.854) | 1630402 | 20.0000 | 19 |
| 13 2,2-Dichloropropane | 77 | 7.152 | 7.151 | (0.857) | 2644391 | 20.0000 | 19 |
| 127 Ethyl Acetate | 43 | 7.167 | 7.180 | (0.859) | 791135 | 40.0000 | 40(H) |

Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41269.d
Report Date: 19-Apr-2006 10:20

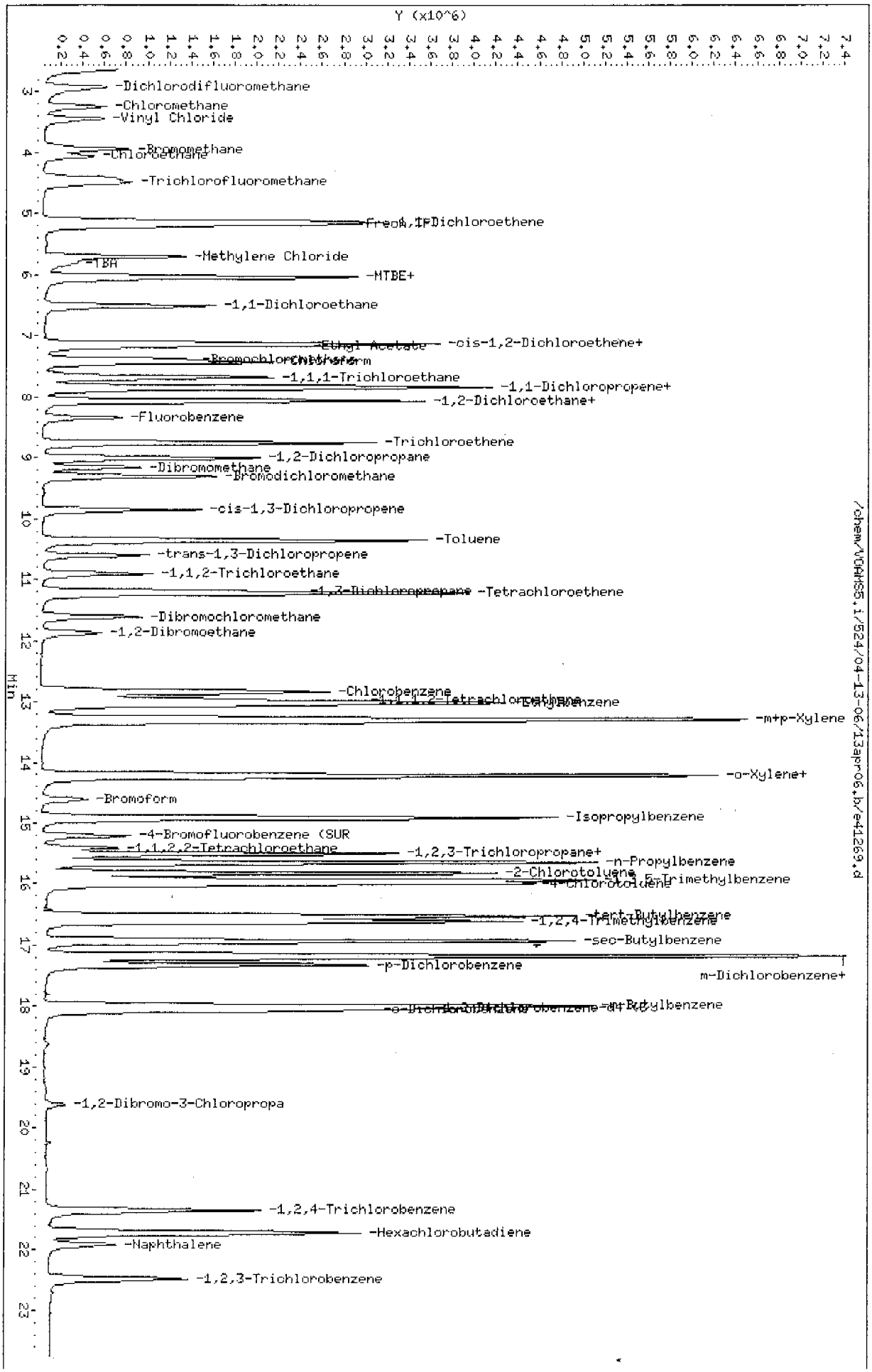
| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) | |
|---|---|---|---|---|---|---|---|---|---|
| | 14 Bromochloromethane | 128 | 7.387 | 7.386 | (0.886) | 664764 | 20.0000 | 20 | |
| | 15 Chloroform | 83 | 7.446 | 7.444 | (0.893) | 2986154 | 20.0000 | 19 | |
| | 16 1,1,1-Trichloroethane | 97 | 7.681 | 7.680 | (0.921) | 2920588 | 20.0000 | 19 | |
| | 17 1,1-Dichloropropene | 75 | 7.828 | 7.841 | (0.938) | 2623110 | 20.0000 | 19 | |
| | 18 Carbon Tetrachloride | 117 | 7.857 | 7.870 | (0.942) | 2753832 | 20.0000 | 19 | |
| | 20 1,2-Dichloroethane | 62 | 8.048 | 8.062 | (0.965) | 1120727 | 20.0000 | 19 | |
| | 19 Benzene | 78 | 8.063 | 8.062 | (0.967) | 4797206 | 20.0000 | 20 | |
| * | 2 Fluorobenzene | 96 | 8.342 | 8.343 | (1.000) | 1299921 | 5.00000 | (T) | |
| | 21 Trichloroethene | 95 | 8.753 | 8.757 | (1.049) | 2177633 | 20.0000 | 19 | |
| | 22 1,2-Dichloropropane | 63 | 9.002 | 9.008 | (1.079) | 1730873 | 20.0000 | 20 | |
| | 23 Dibromomethane | 93 | 9.149 | 9.156 | (1.097) | 768422 | 20.0000 | 20 | |
| | 24 Bromodichloromethane | 83 | 9.311 | 9.318 | (1.116) | 2233189 | 20.0000 | 20 | |
| | 25 cis-1,3-Dichloropropene | 75 | 9.854 | 9.865 | (1.181) | 1954421 | 20.0000 | 21 | |
| | 26 Toluene | 92 | 10.353 | 10.366 | (1.241) | 3590977 | 20.0000 | 20 | |
| | 27 trans-1,3-Dichloropropene | 75 | 10.602 | 10.618 | (1.271) | 1277377 | 20.0000 | 21 | |
| | 28 1,1,2-Trichloroethane | 83 | 10.910 | 10.913 | (1.308) | 708905 | 20.0000 | 20 | |
| | 30 1,3-Dichloropropane | 76 | 11.189 | 11.208 | (1.341) | 1441461 | 20.0000 | 20 | |
| | 29 Tetrachloroethene | 166 | 11.233 | 11.238 | (1.347) | 2675302 | 20.0000 | 20 | |
| | 31 Dibromochloromethane | 129 | 11.615 | 11.622 | (1.392) | 1292332 | 20.0000 | 21 | |
| | 32 1,2-Dibromoethane | 107 | 11.879 | 11.889 | (1.424) | 1111218 | 20.0000 | 20 | |
| | 33 Chlorobenzene | 112 | 12.832 | 12.850 | (1.538) | 4295435 | 20.0000 | 20 | |
| | 34 1,1,1,2-Tetrachloroethane | 131 | 12.979 | 12.983 | (1.556) | 1844139 | 20.0000 | 20 | |
| | 35 Ethylbenzene | 91 | 13.038 | 13.042 | (1.563) | 7866691 | 20.0000 | 20 | |
| | 36 m+p-Xylene | 106 | 13.288 | 13.310 | (1.593) | 5954559 | 40.0000 | 40 | |
| | 37 o-Xylene | 106 | 14.212 | 14.210 | (1.704) | 2678164 | 20.0000 | 20 | |
| | 39 Styrene | 104 | 14.227 | 14.239 | (1.705) | 4015758 | 20.0000 | 20 | |
| | 40 Bromoform | 173 | 14.609 | 14.625 | (1.751) | 507094 | 20.0000 | 23 | |
| | 41 Isopropylbenzene | 105 | 14.917 | 14.921 | (1.788) | 8405487 | 20.0000 | 20 | |
| $ | 42 4-Bromofluorobenzene (SUR) | 95 | 15.211 | 15.215 | (1.823) | 752643 | 5.00000 | 5.1 | |
| | 43 1,1,2,2-Tetrachloroethane | 83 | 15.416 | 15.423 | (1.848) | 957730 | 20.0000 | 20 | |
| | 45 1,2,3-Trichloropropane | 110 | 15.520 | 15.526 | (1.860) | 234840 | 20.0000 | 19 | |
| | 44 Bromobenzene | 156 | 15.505 | 15.526 | (1.859) | 1734953 | 20.0000 | 20 | |
| | 46 n-Propylbenzene | 91 | 15.652 | 15.660 | (1.876) | 9734322 | 20.0000 | 19 | |
| | 47 2-Chlorotoluene | 91 | 15.828 | 15.837 | (1.897) | 5641920 | 20.0000 | 19 | |
| | 48 1,3,5-Trimethylbenzene | 105 | 15.946 | 15.956 | (1.912) | 6184034 | 20.0000 | 19 | |
| | 49 4-Chlorotoluene | 91 | 16.005 | 16.016 | (1.919) | 6205544 | 20.0000 | 19 | |
| | 50 tert-Butylbenzene | 119 | 16.534 | 16.535 | (1.982) | 6990354 | 20.0000 | 20 | |
| | 51 1,2,4-Trimethylbenzene | 105 | 16.623 | 16.624 | (1.993) | 5923286 | 20.0000 | 19 | |
| | 52 sec-Butylbenzene | 105 | 16.932 | 16.935 | (2.030) | 8922386 | 20.0000 | 19 | |
| | 53 m-Dichlorobenzene | 146 | 17.167 | 17.172 | (2.058) | 3335603 | 20.0000 | 20 | |
| | 54 4-Isopropyltoluene | 119 | 17.197 | 17.202 | (2.061) | 7929505 | 20.0000 | 20 | |
| | 55 p-Dichlorobenzene | 146 | 17.329 | 17.334 | (2.077) | 3158613 | 20.0000 | 19 | |
| | 56 n-Butylbenzene | 91 | 17.991 | 18.000 | (2.157) | 7275928 | 20.0000 | 19 | |
| $ | 57 1,2-Dichlorobenzene-d4 (SUR) | 152 | 18.035 | 18.045 | (2.162) | 442533 | 5.00000 | 5.2 | |
| | 58 o-Dichlorobenzene | 146 | 18.065 | 18.074 | (2.166) | 2529640 | 20.0000 | 20 | |
| | 59 1,2-Dibromo-3-Chloropropane | 75 | 19.609 | 19.626 | (2.351) | 116385 | 20.0000 | 21 | |
| | 60 1,2,4-Trichlorobenzene | 180 | 21.345 | 21.361 | (2.559) | 1786149 | 20.0000 | 20 | |

Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41269.d
Report Date: 19-Apr-2006 10:20

| | Compounds | QUANT STG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 61 Hexachlorobutadiene | 225 | 21.714 | 21.717 | (2.603) | 1658029 | 20.0000 | 20 |
| | 62 Naphthalene | 128 | 21.920 | 21.925 | (2.628) | 1557484 | 20.0000 | 18 |
| | 63 1,2,3-Trichlorobenzene | 180 | 22.480 | 22.489 | (2.695) | 1221504 | 20.0000 | 20 |
| M | 38 Xylene (Total) | 100 | | | | 8632723 | 60.0000 | 59 |

QC Flag Legend

T - Target compound detected outside RT window.
H - Operator selected an alternate compound hit.




Data File: /chem/VOAHS5.i/524/04-13-06/13apr06.b/e41269.d
Date : 13-APR-2006 10:25
Client ID:
Sample Info: ESTD020
Purge Volume: 25.0
Column phase: DB624

Instrument: VOAHS5.i
Operator: VOAHS 5
Column diameter: 0.53

Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41268.d
Report Date: 19-Apr-2006 10:19

STL Edison

VOLATILE ORGANICS- METHOD 524.2

Data file : /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41268.d
Lab Smp Id: ESTD040
Inj Date : 13-APR-2006 09:55
Operator : VOAMS 5 Inst ID: VOAMS5.i
Smp Info : ESTD040
Misc Info :
Comment :
Method : /chem/VOAMS5.i/524/04-13-06/13apr06.b/524_2_05.m
Meth Date : 19-Apr-2006 10:19 lily Quant Type: ISTD
Cal Date : 13-APR-2006 09:55 Cal File: e41268.d
Als bottle: 4 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 25.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 1 Dichlorodifluoromethane | 85 | 2.925 | 2.939 | (0.350) | 4957224 | 40.0000 | 42(A) |
| 3 Chloromethane | 50 | 3.247 | 3.247 | (0.389) | 3686834 | 40.0000 | 41(A) |
| 4 Vinyl Chloride | 62 | 3.438 | 3.438 | (0.412) | 3737934 | 40.0000 | 42(A) |
| 5 Bromomethane | 94 | 3.952 | 3.951 | (0.474) | 3107884 | 40.0000 | 40 |
| 6 Chloroethane | 64 | 4.055 | 4.069 | (0.486) | 2388887 | 40.0000 | 39 |
| 7 Trichlorofluoromethane | 101 | 4.481 | 4.479 | (0.537) | 6448486 | 40.0000 | 40 |
| 8 1,1-Dichloroethene | 61 | 5.126 | 5.140 | (0.614) | 5413749 | 40.0000 | 39 |
| 111 Freon TF | 101 | 5.171 | 5.184 | (0.620) | 6407067 | 40.0000 | 37 |
| 9 Methylene Chloride | 84 | 5.714 | 5.712 | (0.685) | 2440860 | 40.0000 | 40(A) |
| 109 TBA | 59 | 5.817 | 5.815 | (0.697) | 1627058 | 1500.00 | 1300 |
| 110 MTBE | 73 | 6.037 | 6.035 | (0.724) | 3777573 | 40.0000 | 38 |
| 10 trans-1,2-Dichloroethene | 96 | 6.052 | 6.050 | (0.725) | 3583598 | 40.0000 | 38 |
| 11 1,1-Dichloroethane | 63 | 6.507 | 6.519 | (0.780) | 6790540 | 40.0000 | 39 |
| 12 cis-1,2-Dichloroethene | 96 | 7.124 | 7.136 | (0.854) | 3426150 | 40.0000 | 38 |
| 13 2,2-Dichloropropane | 77 | 7.154 | 7.151 | (0.857) | 5600780 | 40.0000 | 39 |
| 127 Ethyl Acetate | 43 | 7.154 | 7.180 | (0.857) | 1759132 | 80.0000 | 86(AH) |

Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41268.d
Report Date: 19-Apr-2006 10:19

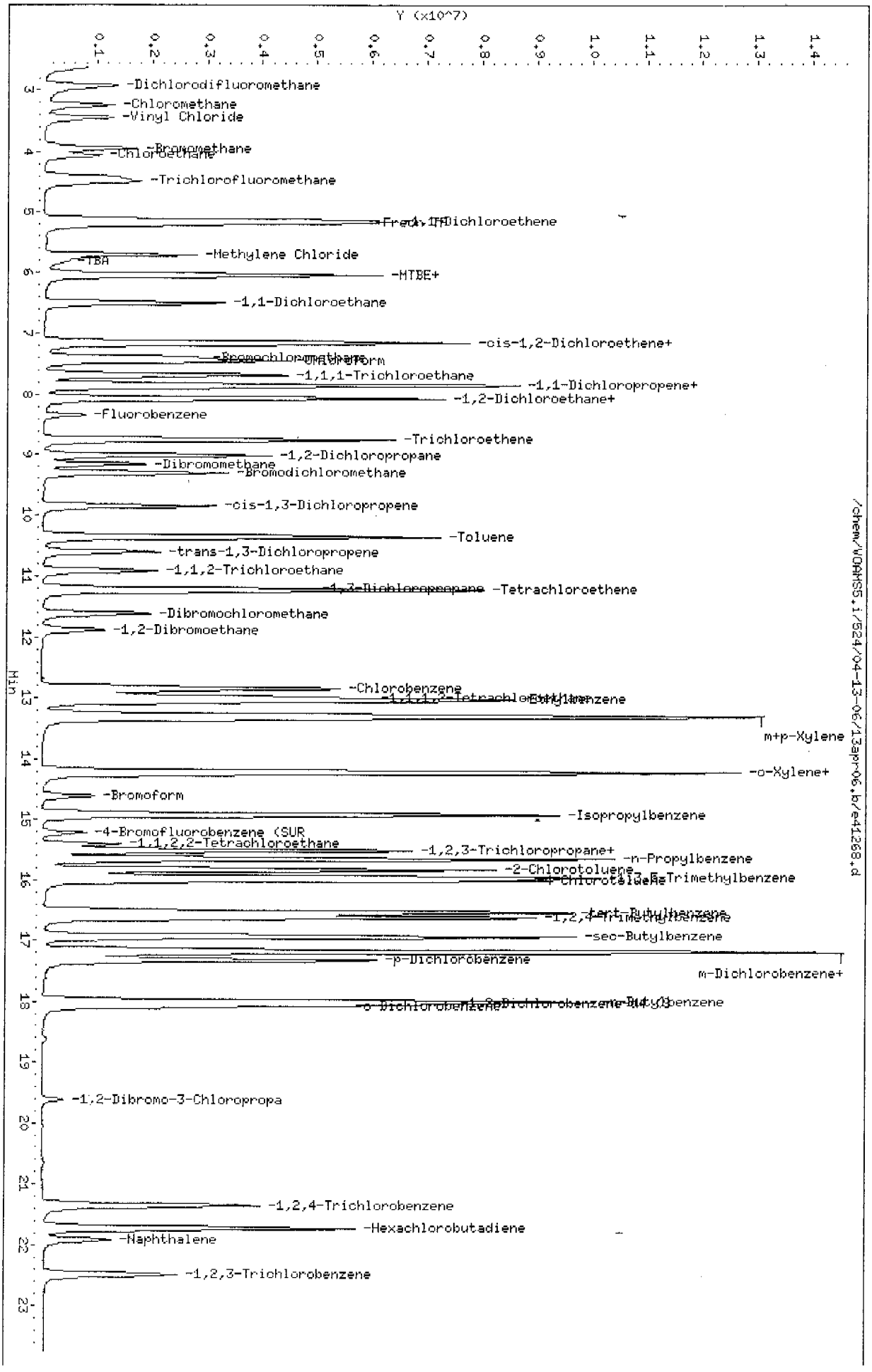
| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 14 | Bromochloromethane | 128 | 7.389 | 7.386 | (0.886) | 1382060 | 40.0000 | 40 |
| 15 | Chloroform | 83 | 7.447 | 7.444 | (0.893) | 6264319 | 40.0000 | 39 |
| 16 | 1,1,1-Trichloroethane | 97 | 7.682 | 7.680 | (0.921) | 6121717 | 40.0000 | 39 |
| 17 | 1,1-Dichloropropene | 75 | 7.829 | 7.841 | (0.938) | 5393413 | 40.0000 | 39 |
| 18 | Carbon Tetrachloride | 117 | 7.859 | 7.870 | (0.942) | 5747611 | 40.0000 | 40 |
| 20 | 1,2-Dichloroethane | 62 | 8.050 | 8.062 | (0.965) | 2313273 | 40.0000 | 39 |
| 19 | Benzene | 78 | 8.065 | 8.062 | (0.967) | 9894829 | 40.0000 | 39 |
| * 2 | Fluorobenzene | 96 | 8.344 | 8.343 | (1.000) | 1336952 | 5.00000 | (T) |
| 21 | Trichloroethene | 95 | 8.755 | 8.757 | (1.049) | 4444405 | 40.0000 | 39 |
| 22 | 1,2-Dichloropropane | 63 | 9.004 | 9.008 | (1.079) | 3540823 | 40.0000 | 39 |
| 23 | Dibromomethane | 93 | 9.151 | 9.156 | (1.097) | 1590422 | 40.0000 | 40 |
| 24 | Bromodichloromethane | 83 | 9.313 | 9.318 | (1.116) | 4684609 | 40.0000 | 41(A) |
| 25 | cis-1,3-Dichloropropene | 75 | 9.856 | 9.865 | (1.181) | 4108923 | 40.0000 | 42(A) |
| 26 | Toluene | 92 | 10.355 | 10.366 | (1.241) | 7368434 | 40.0000 | 39 |
| 27 | trans-1,3-Dichloropropene | 75 | 10.605 | 10.618 | (1.271) | 2696761 | 40.0000 | 42(A) |
| 28 | 1,1,2-Trichloroethane | 83 | 10.913 | 10.913 | (1.308) | 1440676 | 40.0000 | 39 |
| 30 | 1,3-Dichloropropane | 76 | 11.192 | 11.208 | (1.341) | 2964127 | 40.0000 | 39 |
| 29 | Tetrachloroethene | 166 | 11.236 | 11.238 | (1.347) | 5455096 | 40.0000 | 39 |
| 31 | Dibromochloromethane | 129 | 11.618 | 11.622 | (1.392) | 2769389 | 40.0000 | 45(A) |
| 32 | 1,2-Dibromoethane | 107 | 11.882 | 11.889 | (1.424) | 2261798 | 40.0000 | 39 |
| 33 | Chlorobenzene | 112 | 12.836 | 12.850 | (1.538) | 8797529 | 40.0000 | 39 |
| 34 | 1,1,1,2-Tetrachloroethane | 131 | 12.983 | 12.983 | (1.556) | 3738668 | 40.0000 | 40 |
| 35 | Ethylbenzene | 91 | 13.042 | 13.042 | (1.563) | 15678575 | 40.0000 | 38 |
| 36 | m+p-Xylene | 106 | 13.292 | 13.310 | (1.593) | 12090705 | 80.0000 | 78 |
| 37 | o-Xylene | 106 | 14.217 | 14.210 | (1.704) | 5345333 | 40.0000 | 38 |
| 39 | Styrene | 104 | 14.231 | 14.239 | (1.706) | 8098492 | 40.0000 | 40 |
| 40 | Bromoform | 173 | 14.613 | 14.625 | (1.751) | 1109070 | 40.0000 | 48(A) |
| 41 | Isopropylbenzene | 105 | 14.922 | 14.921 | (1.788) | 16738463 | 40.0000 | 38 |
| $ 42 | 4-Bromofluorobenzene (SUR) | 95 | 15.215 | 15.215 | (1.824) | 740181 | 5.00000 | 4.8 |
| 43 | 1,1,2,2-Tetrachloroethane | 83 | 15.406 | 15.423 | (1.846) | 1957948 | 40.0000 | 39 |
| 45 | 1,2,3-Trichloropropane | 110 | 15.524 | 15.526 | (1.861) | 479531 | 40.0000 | 38 |
| 44 | Bromobenzene | 156 | 15.510 | 15.526 | (1.859) | 3474922 | 40.0000 | 39 |
| 46 | n-Propylbenzene | 91 | 15.657 | 15.660 | (1.876) | 19496416 | 40.0000 | 38 |
| 47 | 2-Chlorotoluene | 91 | 15.833 | 15.837 | (1.898) | 11221778 | 40.0000 | 38 |
| 48 | 1,3,5-Trimethylbenzene | 105 | 15.951 | 15.956 | (1.912) | 12398518 | 40.0000 | 38 |
| 49 | 4-Chlorotoluene | 91 | 16.010 | 16.016 | (1.919) | 12463300 | 40.0000 | 37 |
| 50 | tert-Butylbenzene | 119 | 16.540 | 16.535 | (1.982) | 14006341 | 40.0000 | 38 |
| 51 | 1,2,4-Trimethylbenzene | 105 | 16.613 | 16.624 | (1.991) | 11785743 | 40.0000 | 38 |
| 52 | sec-Butylbenzene | 105 | 16.937 | 16.935 | (2.030) | 17730715 | 40.0000 | 38 |
| 53 | m-Dichlorobenzene | 146 | 17.172 | 17.172 | (2.058) | 6650199 | 40.0000 | 38 |
| 54 | 4-Isopropyltoluene | 119 | 17.202 | 17.202 | (2.062) | 15764201 | 40.0000 | 38 |
| 55 | p-Dichlorobenzene | 146 | 17.335 | 17.334 | (2.078) | 6437496 | 40.0000 | 38 |
| 56 | n-Butylbenzene | 91 | 17.997 | 18.000 | (2.157) | 14502349 | 40.0000 | 38 |
| $ 57 | 1,2-Dichlorobenzene-d4 (SUR) | 152 | 18.026 | 18.045 | (2.160) | 442765 | 5.00000 | 5.0 |
| 58 | o-Dichlorobenzene | 146 | 18.070 | 18.074 | (2.166) | 4988274 | 40.0000 | 38 |
| 59 | 1,2-Dibromo-3-Chloropropane | 75 | 19.615 | 19.626 | (2.351) | 249150 | 40.0000 | 44(A) |
| 60 | 1,2,4-Trichlorobenzene | 180 | 21.351 | 21.361 | (2.559) | 3502224 | 40.0000 | 38 |

Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41268.d
Report Date: 19-Apr-2006 10:19

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 61 Hexachlorobutadiene | 225 | 21.720 | 21.717 | (2.603) | 3257474 | 40.0000 | 38 |
| | 62 Naphthalene | 128 | 21.912 | 21.925 | (2.626) | 3033789 | 40.0000 | 35 |
| | 63 1,2,3-Trichlorobenzene | 180 | 22.487 | 22.489 | (2.695) | 2324690 | 40.0000 | 37 |
| M | 38 Xylene (Total) | 100 | | | | 17436038 | 120.000 | 120 |

QC Flag Legend

T - Target compound detected outside RT window.
A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.


Y (x10^7)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
Min
-Dichlorodifluoromethane
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Methylene Chloride
-TBA
-MTBE+
-1,1-Dichloroethane
-cis-1,2-Dichloroethene+
-1,1,1-Trichloroethane
-1,1-Dichloropropene+
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane
-Dibromomethane
-Bromodichloromethane
-cis-1,3-Dichloropropene
-Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene
m+p-Xylene
-o-Xylene+
-Bromoform
-Isopropylbenzene
-4-Bromofluorobenzene (SUR
-1,1,2,2-Tetrachloroethane
-1,2,3-Trichloropropane+
-n-Propylbenzene
-2-Chlorotoluene
-4-Chlorotoluene
-1,3,5-Trimethylbenzene
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-p-Dichlorobenzene
m-Dichlorobenzene+
-o-Dichlorobenzene
-1,2-Dibromo-3-Chloropropa
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
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Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41268.d
Date : 13-APR-2006 09:55
Client ID:
Sample Info: ESTD040
Purge Volume: 25.0
Column phase: DB624
Instrument: VOAMS5.i
Operator: VOAMS 5
Column diameter: 0.53

VOLATILE ORGANICS INITIAL CALIBRATION DATA
METHOD 524.2

Instrument ID: VOAMS5 Calibration Date(s): 04/13/06 04/13/06

Heated Purge: (Y/N) N Calibration Time(s): 1055 1225

LAB FILE ID: RRF5: E41273 RRF20: E41270 RRF40: E41272

| COMPOUND | RRF5 | RRF20 | RRF40 |
|---|---|---|---|
| Acetone | 0.009 | 0.010 | 0.010 |
| 2-Butanone | 0.033 | 0.031 | 0.031 |
| 4-Methyl-2-pentanone | 0.078 | 0.083 | 0.089 |
| 2-Hexanone | 0.050 | 0.051 | 0.051 |
| Carbon Disulfide | 0.655 | 0.805 | 0.679 |
| Diethyl Ether | 0.121 | 0.120 | 0.114 |
| Iodomethane | 0.594 | 0.628 | 0.596 |
| Allyl Chloride | 0.135 | 0.163 | 0.125 |
| Acrylonitrile | 0.011 | 0.013 | 0.013 |
| Propionitrile | 0.004 | 0.005 | 0.005 |
| Methyl Acrylate | 0.079 | 0.085 | 0.086 |
| Methacrylonitrile | 0.022 | 0.020 | 0.023 |
| Tetrahydrofuran | 0.007 | 0.006 | 0.005 |
| 1-Chlorobutane | 0.727 | 0.709 | 0.728 |
| Methyl Methacrylate | 0.073 | 0.068 | 0.078 |
| 2-Nitropropane | 0.022 | 0.023 | 0.022 |
| Chloroacetonitrile | 0.001 | 0.001 | 0.001 |
| 1,1-Dichloropropanone | 0.068 | 0.064 | 0.058 |
| Ethyl Methacrylate | 0.148 | 0.138 | 0.160 |
| trans-1,4-Dichloro-2-butene | 0.006 | 0.006 | 0.006 |
| Pentachloroethane | 0.181 | 0.215 | 0.202 |
| Hexachloroethane | 0.326 | 0.398 | 0.363 |
| Nitrobenzene | 0.001 | 0.001 | 0.001 |
| 4-Bromofluorobenzene (SUR) | 0.580 | 0.582 | 0.579 |
| 1,2-Dichlorobenzene-d4 (SUR) | 0.331 | 0.338 | 0.326 |

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 524.2

Instrument ID: VOAMS5 Calibration Date(s): 04/13/06 04/13/06

Heated Purge: (Y/N) N Calibration Time(s): 1055 1225

| COMPOUND | CURVE | COEFFICENT A1 | %RSD OR R^2 |
|---|---|---|---|
| Acetone | AVRG | 0.00972804 | 8.7* |
| 2-Butanone | AVRG | 0.03145553 | 3.7* |
| 4-Methyl-2-pentanone | AVRG | 0.08332915 | 6.5* |
| 2-Hexanone | AVRG | 0.05086821 | 0.8* |
| Carbon Disulfide | AVRG | 0.71335368 | 11.3* |
| Diethyl Ether | AVRG | 0.11811807 | 3.4* |
| Iodomethane | AVRG | 0.60594331 | 3.2* |
| Allyl Chloride | AVRG | 0.14108796 | 14.0* |
| Acrylonitrile | AVRG | 0.01252772 | 8.7* |
| Propionitrile | AVRG | 0.00469526 | 11.5* |
| Methyl Acrylate | AVRG | 0.08326767 | 4.6* |
| Methacrylonitrile | AVRG | 0.02186944 | 5.8* |
| Tetrahydrofuran | AVRG | 0.00627779 | 16.9* |
| 1-Chlorobutane | AVRG | 0.72138846 | 1.5* |
| Methyl Methacrylate | AVRG | 0.07296656 | 7.0* |
| 2-Nitropropane | AVRG | 0.02235693 | 2.5* |
| Chloroacetonitrile | AVRG | 0.00081587 | 15.6* |
| 1,1-Dichloropropanone | AVRG | 0.06329789 | 7.6* |
| Ethyl Methacrylate | AVRG | 0.14867811 | 7.2* |
| trans-1,4-Dichloro-2-butene | AVRG | 0.00586828 | 3.6* |
| Pentachloroethane | AVRG | 0.19952198 | 8.5* |
| Hexachloroethane | AVRG | 0.36263762 | 9.9* |
| Nitrobenzene | AVRG | 0.00081698 | 19.9* |
| 4-Bromofluorobenzene (SUR) | AVRG | 0.58025739 | 0.3* |
| 1,2-Dichlorobenzene-d4 (SUR) | AVRG | 0.33160459 | 1.8* |

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

Data File: /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41273.d
Report Date: 19-Apr-2006 10:22

STL Edison

VOLATILE ORGANICS- METHOD 524.2

Data file : /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41273.d
Lab Smp Id: ESTD005-R4
Inj Date : 13-APR-2006 12:25
Operator : VOAMS 5 Inst ID: VOAMS5.i
Smp Info : ESTD005-R4
Misc Info :
Comment :
Method : /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/524R4_04.m
Meth Date : 19-Apr-2006 10:22 lily Quant Type: ISTD
Cal Date : 13-APR-2006 12:25 Cal File: e41273.d
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

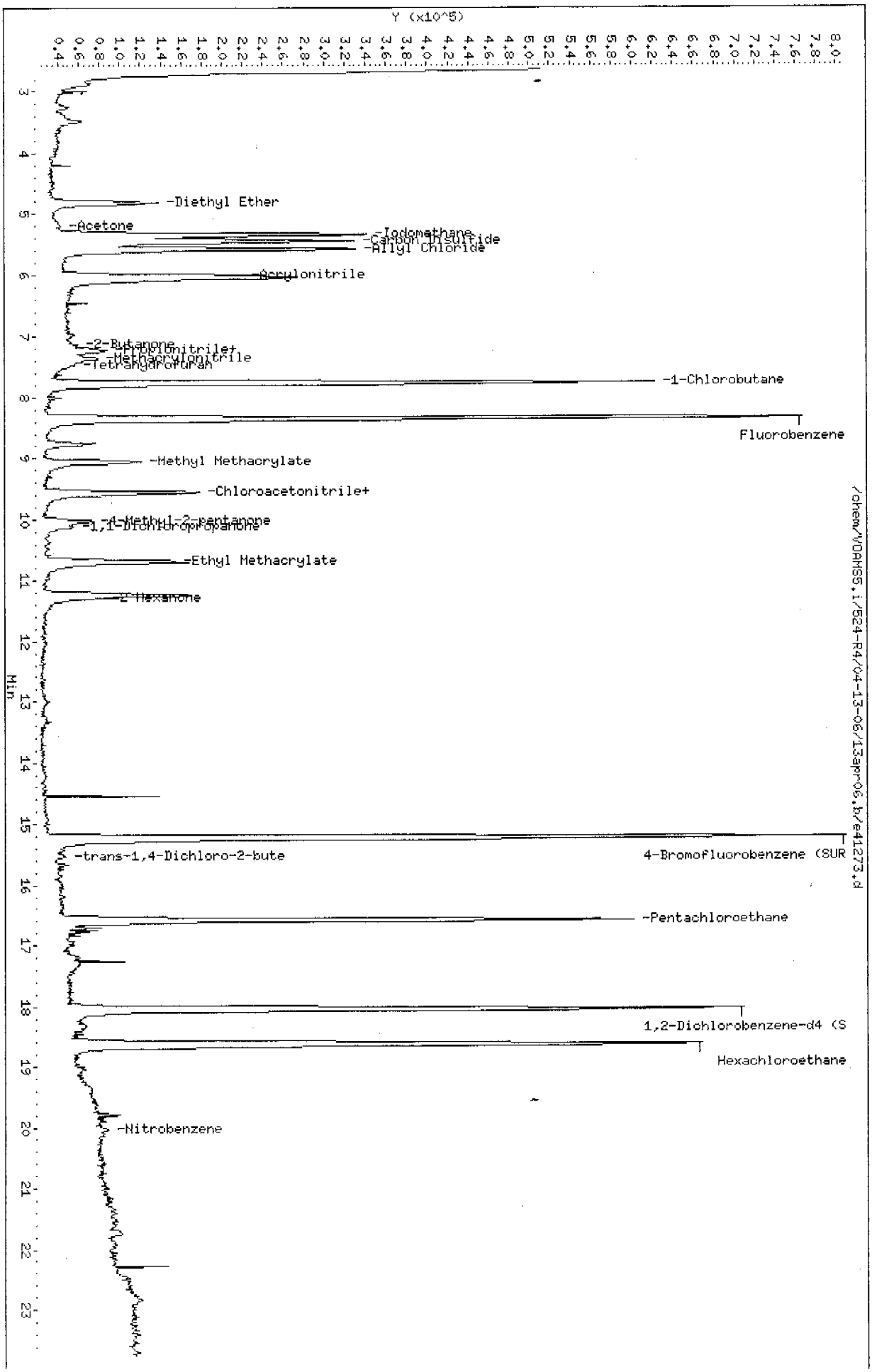
| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 25.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 125 Diethyl Ether | 59 | 4.816 | 4.801 | (0.577) | 162412 | 5.00000 | 5.1 |
| 113 Acetone | 43 | 5.212 | 5.197 | (0.625) | 11831 | 5.00000 | 4.5 |
| 126 Iodomethane | 142 | 5.344 | 5.329 | (0.641) | 799599 | 5.00000 | 4.9 |
| 120 Carbon Disulfide | 76 | 5.432 | 5.432 | (0.651) | 882424 | 5.00000 | 4.6 |
| 127 Allyl Chloride | 76 | 5.579 | 5.564 | (0.669) | 182426 | 5.00000 | 4.8 |
| 128 Acrylonitrile | 52 | 6.004 | 5.990 | (0.720) | 152234 | 50.0000 | 45 |
| 114 2-Butanone | 43 | 7.134 | 7.135 | (0.855) | 44168 | 5.00000 | 5.2 |
| 129 Propionitrile | 54 | 7.207 | 7.194 | (0.864) | 55493 | 50.0000 | 44 |
| 130 Methyl Acrylate | 55 | 7.222 | 7.208 | (0.866) | 106244 | 5.00000 | 4.7 |
| 131 Methacrylonitrile | 67 | 7.369 | 7.355 | (0.883) | 30323 | 5.00000 | 5.1 |
| 132 Tetrahydrofuran | 71 | 7.457 | 7.458 | (0.894) | 10060 | 5.00000 | 6.0 |
| 133 1-Chlorobutane | 56 | 7.765 | 7.751 | (0.931) | 978568 | 5.00000 | 5.0 |
| * 2 Fluorobenzene | 96 | 8.341 | 8.338 | (1.000) | 1346448 | 5.00000 | |
| 134 Methyl Methacrylate | 69 | 9.067 | 9.057 | (1.087) | 98450 | 5.00000 | 5.0 |
| 136 Chloroacetonitrile | 48 | 9.570 | 9.556 | (1.147) | 9168 | 50.0000 | 42 |
| 135 2-Nitropropane | 43 | 9.556 | 9.556 | (1.146) | 294060 | 50.0000 | 49 |

Data File: /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41273.d
Report Date: 19-Apr-2006 10:22

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 115 | 4-Methyl-2-pentanone | 43 | 10.029 | 10.025 | (1.202) | 105333 | 5.00000 | 4.7 |
| 137 | 1,1-Dichloropropanone | 43 | 10.118 | 10.113 | (1.213) | 91023 | 5.00000 | 5.3 |
| 138 | Ethyl Methacrylate | 69 | 10.680 | 10.670 | (1.280) | 199206 | 5.00000 | 5.0 |
| 119 | 2-Hexanone | 43 | 11.286 | 11.257 | (1.353) | 67936 | 5.00000 | 5.0 |
| $ 42 | 4-Bromofluorobenzene (SUR) | 95 | 15.216 | 15.215 | (1.824) | 780807 | 5.00000 | 5.0 |
| 139 | trans-1,4-Dichloro-2-butene | 53 | 15.539 | 15.524 | (1.863) | 7708 | 5.00000 | 4.9 |
| 140 | Pentachloroethane | 167 | 16.581 | 16.581 | (1.988) | 244147 | 5.00000 | 4.5 |
| $ 57 | 1,2-Dichlorobenzene-d4 (SUR) | 152 | 18.036 | 18.037 | (2.162) | 446063 | 5.00000 | 5.0 |
| 141 | Hexachloroethane | 117 | 18.624 | 18.625 | (2.233) | 439601 | 5.00000 | 4.5 |
| 142 | Nitrobenzene | 51 | 20.035 | 20.038 | (2.402) | 8522 | 50.0000 | 39 |


Data File: /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41273.d
Date : 13-APR-2006 12:25
Client ID:
Sample Info: ESTD005-R4
Purge Volume: 25.0
Column phase: DB624
Instrument: VOAMS5.i
Operator: VOAMS 5
Column diameter: 0.53
Y (x10^5)
Min
-Diethyl Ether
-Acetone
-Iodomethane
-Carbon Disulfide
-Allyl Chloride
-Acrylonitrile
-2-Butanone
-Methacrylonitrile
-Tetrahydrofuran
-1-Chlorobutane
Fluorobenzene
-Methyl Methacrylate
-Chloroacetonitrile+
-4-Methyl-2-pentanone
-1,1-Dichloropropanone
-Ethyl Methacrylate
-2-Hexanone
-trans-1,4-Dichloro-2-bute
4-Bromofluorobenzene (SUR
-Pentachloroethane
1,2-Dichlorobenzene-d4 (S
Hexachloroethane
-Nitrobenzene
/chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41273.d

Data File: /chem/VOAMS5.i/524-R4/04-13-Q6/13apr06.b/e41270.d
Report Date: 19-Apr-2006 10:22

STL Edison

VOLATILE ORGANICS- METHOD 524.2

Data file : /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41270.d
Lab Smp Id: ESTD020-R4
Inj Date : 13-APR-2006 10:55
Operator : VOAMS 5 Inst ID: VOAMS5.i
Smp Info : ESTD020-R4
Misc Info :
Comment :
Method : /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/524R4_04.m
Meth Date : 19-Apr-2006 10:22 lily Quant Type: ISTD
Cal Date : 13-APR-2006 10:55 Cal File: e41270.d
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

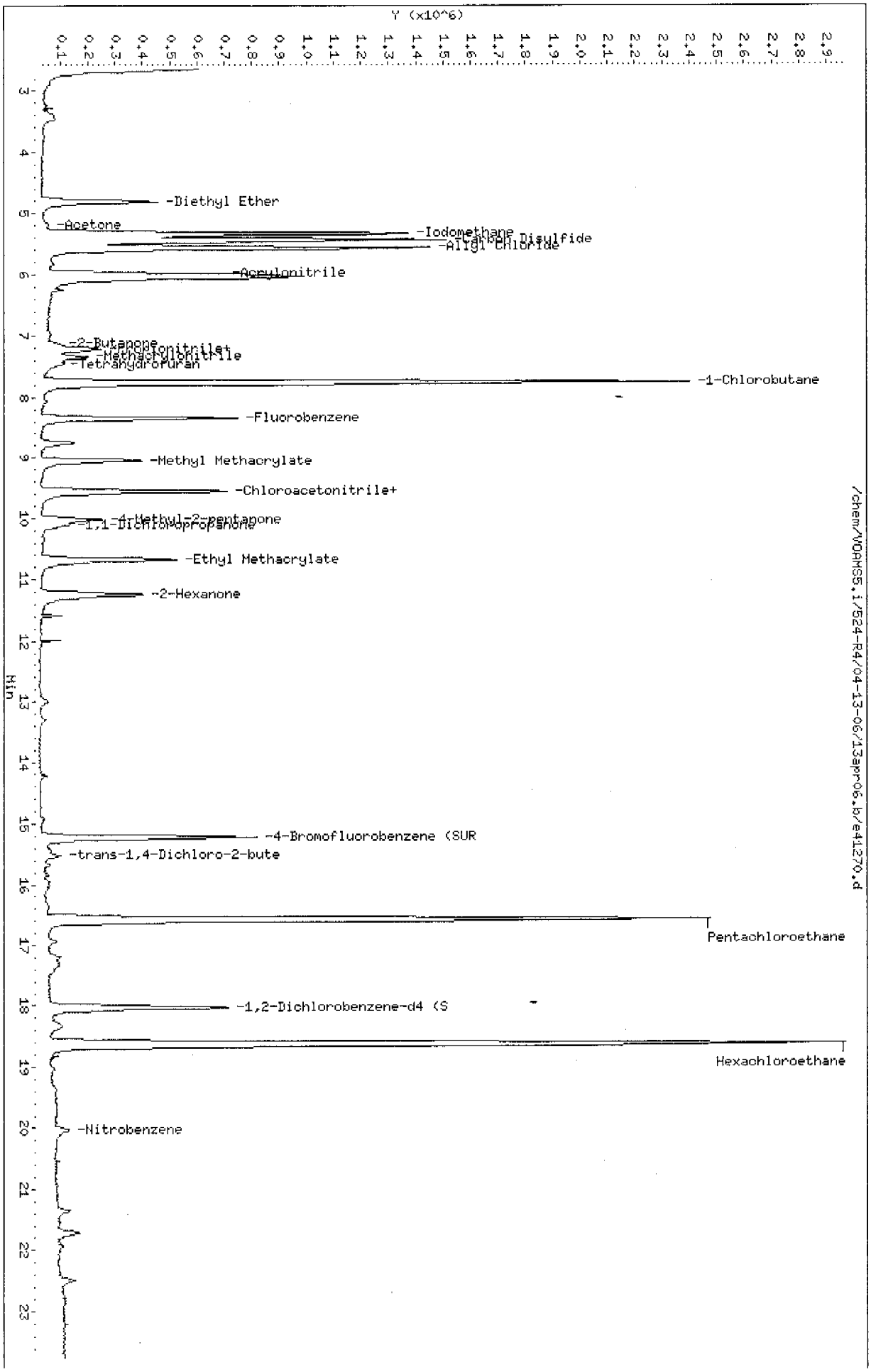
| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 25.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 125 Diethyl Ether | 59 | 4.801 | 4.801 | (0.576) | 641020 | 20.0000 | 20 |
| 113 Acetone | 43 | 5.197 | 5.197 | (0.623) | 55560 | 20.0000 | 21 |
| 126 Iodomethane | 142 | 5.329 | 5.329 | (0.639) | 3348804 | 20.0000 | 21 |
| 120 Carbon Disulfide | 76 | 5.432 | 5.432 | (0.651) | 4294368 | 20.0000 | 22 |
| 127 Allyl Chloride | 76 | 5.564 | 5.564 | (0.667) | 868972 | 20.0000 | 23 |
| 128 Acrylonitrile | 52 | 5.990 | 5.990 | (0.718) | 687626 | 200.000 | 200 |
| 114 2-Butanone | 43 | 7.135 | 7.135 | (0.856) | 164983 | 20.0000 | 20 |
| 129 Propionitrile | 54 | 7.194 | 7.194 | (0.863) | 254111 | 200.000 | 200 |
| 130 Methyl Acrylate | 55 | 7.208 | 7.208 | (0.864) | 452589 | 20.0000 | 20 |
| 131 Methacrylonitrile | 67 | 7.355 | 7.355 | (0.882) | 108840 | 20.0000 | 19 |
| 132 Tetrahydrofuran | 71 | 7.458 | 7.458 | (0.894) | 31586 | 20.0000 | 19 |
| 133 1-Chlorobutane | 56 | 7.751 | 7.751 | (0.930) | 3779826 | 20.0000 | 20 |
| * 2 Fluorobenzene | 96 | 8.338 | 8.338 | (1.000) | 1332934 | 5.00000 | |
| 134 Methyl Methacrylate | 69 | 9.057 | 9.057 | (1.086) | 361519 | 20.0000 | 18 |
| 136 Chloroacetonitrile | 48 | 9.556 | 9.556 | (1.146) | 44397 | 200.000 | 200 |
| 135 2-Nitropropane | 43 | 9.556 | 9.556 | (1.146) | 1222866 | 200.000 | 200 |

Data File: /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41270.d
Report Date: 19-Apr-2006 10:22

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 115 | 4-Methyl-2-pentanone | 43 | 10.025 | 10.025 | (1.202) | 441251 | 20.0000 | 20 |
| 137 | 1,1-Dichloropropanone | 43 | 10.113 | 10.113 | (1.213) | 342280 | 20.0000 | 20 |
| 138 | Ethyl Methacrylate | 69 | 10.670 | 10.670 | (1.280) | 737319 | 20.0000 | 19 |
| 119 | 2-Hexanone | 43 | 11.257 | 11.257 | (1.350) | 273564 | 20.0000 | 20 |
| $ 42 | 4-Bromofluorobenzene (SUR) | 95 | 15.215 | 15.215 | (1.825) | 775747 | 5.00000 | 5.0 |
| 139 | trans-1,4-Dichloro-2-butene | 53 | 15.524 | 15.524 | (1.862) | 32592 | 20.0000 | 21 |
| 140 | Pentachloroethane | 167 | 16.581 | 16.581 | (1.989) | 1145102 | 20.0000 | 22 |
| $ 57 | 1,2-Dichlorobenzene-d4 (SUR) | 152 | 18.037 | 18.037 | (2.163) | 450288 | 5.00000 | 5.1 |
| 141 | Hexachloroethane | 117 | 18.625 | 18.625 | (2.234) | 2123924 | 20.0000 | 22 |
| 142 | Nitrobenzene | 51 | 20.038 | 20.038 | (2.403) | 50143 | 200.000 | 230 |


Y (x10^6)
Min
-Diethyl Ether
-Acetone
-Iodomethane
-Allyl Chloride
-Acrylonitrile
-2-Butanone
-Methacrylonitrile
-Tetrahydrofuran
-1-Chlorobutane
-Fluorobenzene
-Methyl Methacrylate
-Chloroacetonitrile+
-1,1-Dichloropropanone
-Ethyl Methacrylate
-2-Hexanone
-4-Bromofluorobenzene (SUR
-trans-1,4-Dichloro-2-bute
Pentachloroethane
-1,2-Dichlorobenzene-d4 (S
Hexachloroethane
-Nitrobenzene
/chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41270.d
Data File: /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41270.d
Date : 13-APR-2006 10:55
Client ID:
Sample Info: ESTD020-R4
Purge Volume: 25.0
Column phase: DB624
Instrument: VOAMS5.i
Operator: VOAMS 5
Column diameter: 0.53

Data File: /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41272.d
Report Date: 19-Apr-2006 10:22

STL Edison

VOLATILE ORGANICS- METHOD 524.2

Data file : /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41272.d
Lab Smp Id: ESTD040-R4
Inj Date : 13-APR-2006 11:55
Operator : VOAMS 5 Inst ID: VOAMS5.i
Smp Info : ESTD040-R4
Misc Info :
Comment :
Method : /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/524R4_04.m
Meth Date : 19-Apr-2006 10:22 lily Quant Type: ISTD
Cal Date : 13-APR-2006 11:55 Cal File: e41272.d
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 25.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

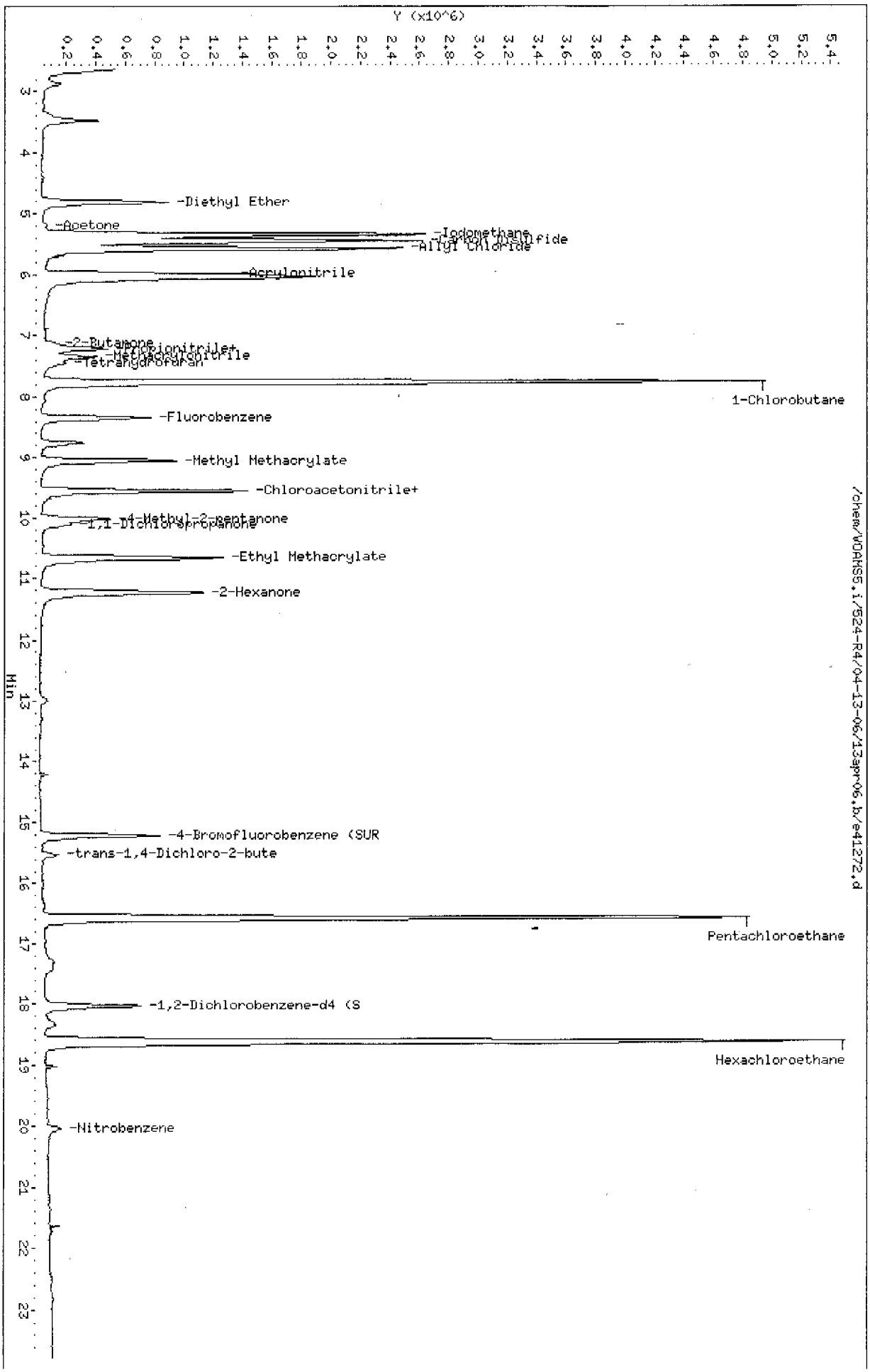
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 125 Diethyl Ether | 59 | 4.802 | 4.801 | (0.576) | 1256610 | 40.0000 | 38 |
| 113 Acetone | 43 | 5.198 | 5.197 | (0.623) | 110452 | 40.0000 | 41(A) |
| 126 Iodomethane | 142 | 5.330 | 5.329 | (0.639) | 6597035 | 40.0000 | 39 |
| 120 Carbon Disulfide | 76 | 5.432 | 5.432 | (0.652) | 7520038 | 40.0000 | 38 |
| 127 Allyl Chloride | 76 | 5.564 | 5.564 | (0.667) | 1381619 | 40.0000 | 35 |
| 128 Acrylonitrile | 52 | 5.990 | 5.990 | (0.718) | 1481299 | 400.000 | 430(A) |
| 114 2-Butanone | 43 | 7.120 | 7.135 | (0.854) | 338991 | 40.0000 | 39 |
| 129 Propionitrile | 54 | 7.194 | 7.194 | (0.863) | 575508 | 400.000 | 440(A) |
| 130 Methyl Acrylate | 55 | 7.208 | 7.208 | (0.864) | 952222 | 40.0000 | 41(A) |
| 131 Methacrylonitrile | 67 | 7.355 | 7.355 | (0.882) | 251024 | 40.0000 | 41(A) |
| 132 Tetrahydrofuran | 71 | 7.443 | 7.458 | (0.893) | 60201 | 40.0000 | 35 |
| 133 1-Chlorobutane | 56 | 7.751 | 7.751 | (0.930) | 8064779 | 40.0000 | 40(A) |
| * 2 Fluorobenzene | 96 | 8.338 | 8.338 | (1.000) | 1383878 | 5.00000 | |
| 134 Methyl Methacrylate | 69 | 9.057 | 9.057 | (1.086) | 863277 | 40.0000 | 43(A) |
| 136 Chloroacetonitrile | 48 | 9.541 | 9.556 | (1.144) | 103406 | 400.000 | 460(A) |
| 135 2-Nitropropane | 43 | 9.555 | 9.556 | (1.146) | 2468339 | 400.000 | 400 |

Data File: /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41272.d
Report Date: 19-Apr-2006 10:22

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 115 | 4-Methyl-2-pentanone | 43 | 10.025 | 10.025 | (1.202) | 985297 | 40.0000 | 43(A) |
| 137 | 1,1-Dichloropropanone | 43 | 10.113 | 10.113 | (1.213) | 643167 | 40.0000 | 37 |
| 138 | Ethyl Methacrylate | 69 | 10.670 | 10.670 | (1.280) | 1769109 | 40.0000 | 43(A) |
| 119 | 2-Hexanone | 43 | 11.257 | 11.257 | (1.350) | 562854 | 40.0000 | 40 |
| $ 42 | 4-Bromofluorobenzene (SUR) | 95 | 15.216 | 15.215 | (1.825) | 801108 | 5.00000 | 5.0 |
| 139 | trans-1,4-Dichloro-2-butene | 53 | 15.525 | 15.524 | (1.862) | 63850 | 40.0000 | 39 |
| 140 | Pentachloroethane | 167 | 16.574 | 16.581 | (1.988) | 2241531 | 40.0000 | 40(A) |
| $ 57 | 1,2-Dichlorobenzene-d4 (SUR) | 152 | 18.038 | 18.037 | (2.163) | 450740 | 5.00000 | 4.9 |
| 141 | Hexachloroethane | 117 | 18.630 | 18.625 | (2.234) | 4019539 | 40.0000 | 40(A) |
| 142 | Nitrobenzene | 51 | 20.035 | 20.038 | (2.403) | 97155 | 400.000 | 430(A) |

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Y (x10^6)
Min
-Diethyl Ether
-Acetone
-Iodomethane
-Carbon Disulfide
-Allyl Chloride
-Acrylonitrile
-2-Butanone
-Methacrylonitrile+
-Tetrahydrofuran
1-Chlorobutane
-Fluorobenzene
-Methyl Methacrylate
-Chloroacetonitrile+
-4-Methyl-2-pentanone
-1,1-Dichloropropanone
-Ethyl Methacrylate
-2-Hexanone
-4-Bromofluorobenzene (SUR
-trans-1,4-Dichloro-2-bute
Pentachloroethane
-1,2-Dichlorobenzene-d4 (S
Hexachloroethane
-Nitrobenzene
/chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41272.d
Data File: /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41272.d
Date : 13-APR-2006 11:55
Client ID:
Sample Info: ESTD040-R4
Purge Volume: 25.0
Column phase: DB624
Instrument: VOAMS5.i
Operator: VOAMS 5
Column diameter: 0.53

Surrogate Compound Recovery Summary

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY
METHOD 524.2

Matrix: WATER Level: DW Lab Job No: 1741

| | LAB SAMPLE NO. | S1 # | S2 # | S3 # | OTHER | TOT OUT |
|---|---|---|---|---|---|---|
| 01 | 1741BS | 101 | 100 | | | 0 |
| 02 | EV103 | 101 | 97 | | | 0 |
| 03 | 1741BSD | 98 | 97 | | | 0 |
| 04 | | | | | | |
| 05 | | | | | | |
| 06 | | | | | | |
| 07 | | | | | | |
| 08 | | | | | | |
| 09 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | | | | | | |
| 30 | | | | | | |

| | | QC LIMITS |
|---|---|---|
| S1 | = 4-Bromofluorobenzene | (70-130) |
| S2 | = 1,2-Dichlorobenzene-d4 | (70-130) |

# Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY
METHOD 524.2

Matrix: WATER  Level: DW  Lab Job No: Q266

| | LAB SAMPLE NO. | S1 # | S2 # | S3 # | OTHER | TOT OUT |
|---|---|---|---|---|---|---|
| 01 | EV103 | 101 | 97 | | | 0 |
| 02 | EV103A | 98 | 95 | | | 0 |
| 03 | 725183 | 96 | 96 | | | 0 |
| 04 | 725183 | 99 | 98 | | | 0 |
| 05 | | | | | | |
| 06 | | | | | | |
| 07 | | | | | | |
| 08 | | | | | | |
| 09 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
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| 15 | | | | | | |
| 16 | | | | | | |
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| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | | | | | | |
| 30 | | | | | | |

| | | QC LIMITS |
|---|---|---|
| S1 | = 4-Bromofluorobenzene | (70-130) |
| S2 | = 1,2-Dichlorobenzene-d4 | (70-130) |

# Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY
METHOD 524.2

Matrix: WATER Level: DW Lab Job No: 1743

| | LAB SAMPLE NO. | S1 # | S2 # | S3 # | OTHER | TOT OUT |
|---|---|---|---|---|---|---|
| 01 | 1743BS-R4 | 98 | 96 | | | 0 |
| 02 | EV103A | 98 | 95 | | | 0 |
| 03 | 1743BSD-R4 | 97 | 95 | | | 0 |
| 04 | | | | | | |
| 05 | | | | | | |
| 06 | | | | | | |
| 07 | | | | | | |
| 08 | | | | | | |
| 09 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | | | | | | |
| 30 | | | | | | |

| | | QC LIMITS |
|---|---|---|
| S1 | = 4-Bromofluorobenzene | (70-130) |
| S2 | = 1,2-Dichlorobenzene-d4 | (70-130) |

# Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Spike Recovery Summary

VOLATILE BLANK SPIKE/BLANK SPIKE DUPLICATE RECOVERY SUMMARY
METHOD 524.2

Matrix: WATER QA Batch: 1741

Level: DW

| Compound | SPIKE ADDED (ug/L) | BS % REC. | BSD % REC. | RPD |
|---|---|---|---|---|
| Dichlorodifluoromethane | 2.0 | 100 | 95 | 5.1 |
| Chloromethane | 2.0 | 95 | 95 | 0.0 |
| Vinyl Chloride | 2.0 | 100 | 100 | 0.0 |
| Bromomethane | 2.0 | 100 | 100 | 0.0 |
| Chloroethane | 2.0 | 105 | 100 | 4.9 |
| Trichlorofluoromethane | 2.0 | 105 | 95 | 10.0 |
| 1,1-Dichloroethene | 2.0 | 115 | 110 | 4.4 |
| Methylene Chloride | 2.0 | 120 | 110 | 8.7 |
| trans-1,2-Dichloroethene | 2.0 | 110 | 105 | 4.7 |
| 1,1-Dichloroethane | 2.0 | 110 | 105 | 4.7 |
| cis-1,2-Dichloroethene | 2.0 | 105 | 100 | 4.9 |
| 2,2-Dichloropropane | 2.0 | 110 | 80 | 31.6 |
| Bromochloromethane | 2.0 | 115 | 105 | 9.1 |
| Chloroform | 2.0 | 110 | 105 | 4.7 |
| 1,1,1-Trichloroethane | 2.0 | 110 | 105 | 4.7 |
| 1,1-Dichloropropene | 2.0 | 100 | 95 | 5.1 |
| Carbon Tetrachloride | 2.0 | 100 | 95 | 5.1 |
| Benzene | 2.0 | 110 | 105 | 4.7 |
| 1,2-Dichloroethane | 2.0 | 110 | 110 | 0.0 |
| Trichloroethene | 2.0 | 105 | 100 | 4.9 |
| 1,2-Dichloropropane | 2.0 | 110 | 110 | 0.0 |
| Dibromomethane | 2.0 | 110 | 105 | 4.7 |
| Bromodichloromethane | 2.0 | 95 | 95 | 0.0 |
| cis-1,3-Dichloropropene | 2.0 | 100 | 95 | 5.1 |
| Toluene | 2.0 | 110 | 105 | 4.7 |
| trans-1,3-Dichloropropen | 2.0 | 100 | 85 | 16.2 |
| 1,1,2-Trichloroethane | 2.0 | 125 | 105 | 17.4 |
| Tetrachloroethene | 2.0 | 100 | 95 | 5.1 |
| 1,3-Dichloropropane | 2.0 | 105 | 100 | 4.9 |
| Dibromochloromethane | 2.0 | 80 | 85 | 6.1 |
| 1,2-Dibromoethane | 2.0 | 110 | 100 | 9.5 |
| Chlorobenzene | 2.0 | 110 | 100 | 9.5 |
| 1,1,1,2-Tetrachloroethan | 2.0 | 110 | 100 | 9.5 |
| Ethylbenzene | 2.0 | 110 | 100 | 9.5 |
| Xylene (Total) | 6.0 | 107 | 98 | 8.1 |
| Styrene | 2.0 | 90 | 85 | 5.7 |

* Values outside of QC limits

VOLATILE BLANK SPIKE/BLANK SPIKE DUPLICATE RECOVERY SUMMARY
METHOD 524.2

Matrix: WATER QA Batch: 1741

Level: DW

| Compound | SPIKE ADDED (ug/L) | BS % REC. | BSD % REC. | RPD |
|---|---|---|---|---|
| Bromoform | 2.0 | 75 | 75 | 0.0 |
| Isopropylbenzene | 2.0 | 100 | 95 | 5.1 |
| 1,1,2,2-Tetrachloroethan | 2.0 | 110 | 100 | 9.5 |
| Bromobenzene | 2.0 | 105 | 95 | 10.0 |
| 1,2,3-Trichloropropane | 2.0 | 105 | 100 | 4.9 |
| n-Propylbenzene | 2.0 | 105 | 95 | 10.0 |
| 2-Chlorotoluene | 2.0 | 105 | 100 | 4.9 |
| 1,3,5-Trimethylbenzene | 2.0 | 105 | 100 | 4.9 |
| 4-Chlorotoluene | 2.0 | 105 | 95 | 10.0 |
| tert-Butylbenzene | 2.0 | 105 | 95 | 10.0 |
| 1,2,4-Trimethylbenzene | 2.0 | 105 | 95 | 10.0 |
| sec-Butylbenzene | 2.0 | 100 | 90 | 10.5 |
| m-Dichlorobenzene | 2.0 | 105 | 95 | 10.0 |
| 4-Isopropyltoluene | 2.0 | 100 | 95 | 5.1 |
| p-Dichlorobenzene | 2.0 | 105 | 95 | 10.0 |
| n-Butylbenzene | 2.0 | 100 | 90 | 10.5 |
| o-Dichlorobenzene | 2.0 | 105 | 100 | 4.9 |
| 1,2-Dibromo-3-Chloroprop | 2.0 | 110 | 120 | 8.7 |
| 1,2,4-Trichlorobenzene | 2.0 | 90 | 90 | 0.0 |
| Hexachlorobutadiene | 2.0 | 100 | 90 | 10.5 |
| Naphthalene | 2.0 | 100 | 95 | 5.1 |
| 1,2,3-Trichlorobenzene | 2.0 | 90 | 90 | 0.0 |
| MTBE | 2.0 | 105 | 100 | 4.9 |

* Values outside of QC limits

Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41274.d
Report Date: 19-Apr-2006 10:20

STL Edison

VOLATILE ORGANICS- METHOD 524.2

Data file : /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41274.d
Lab Smp Id: 1741BS  Client Smp ID: 1741BS
Inj Date : 13-APR-2006 13:03
Operator : VOAMS 5  Inst ID: VOAMS5.i
Smp Info : 1741BS
Misc Info :
Comment :
Method : /chem/VOAMS5.i/524/04-13-06/13apr06.b/524_2_05.m
Meth Date : 19-Apr-2006 10:20 lily  Quant Type: ISTD
Cal Date : 13-APR-2006 10:25  Cal File: e41269.d
Als bottle: 2  QC Sample: BS
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: 524.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 25.00000 | Sample Volume |

Cpnd Variable  Local Compound Variable

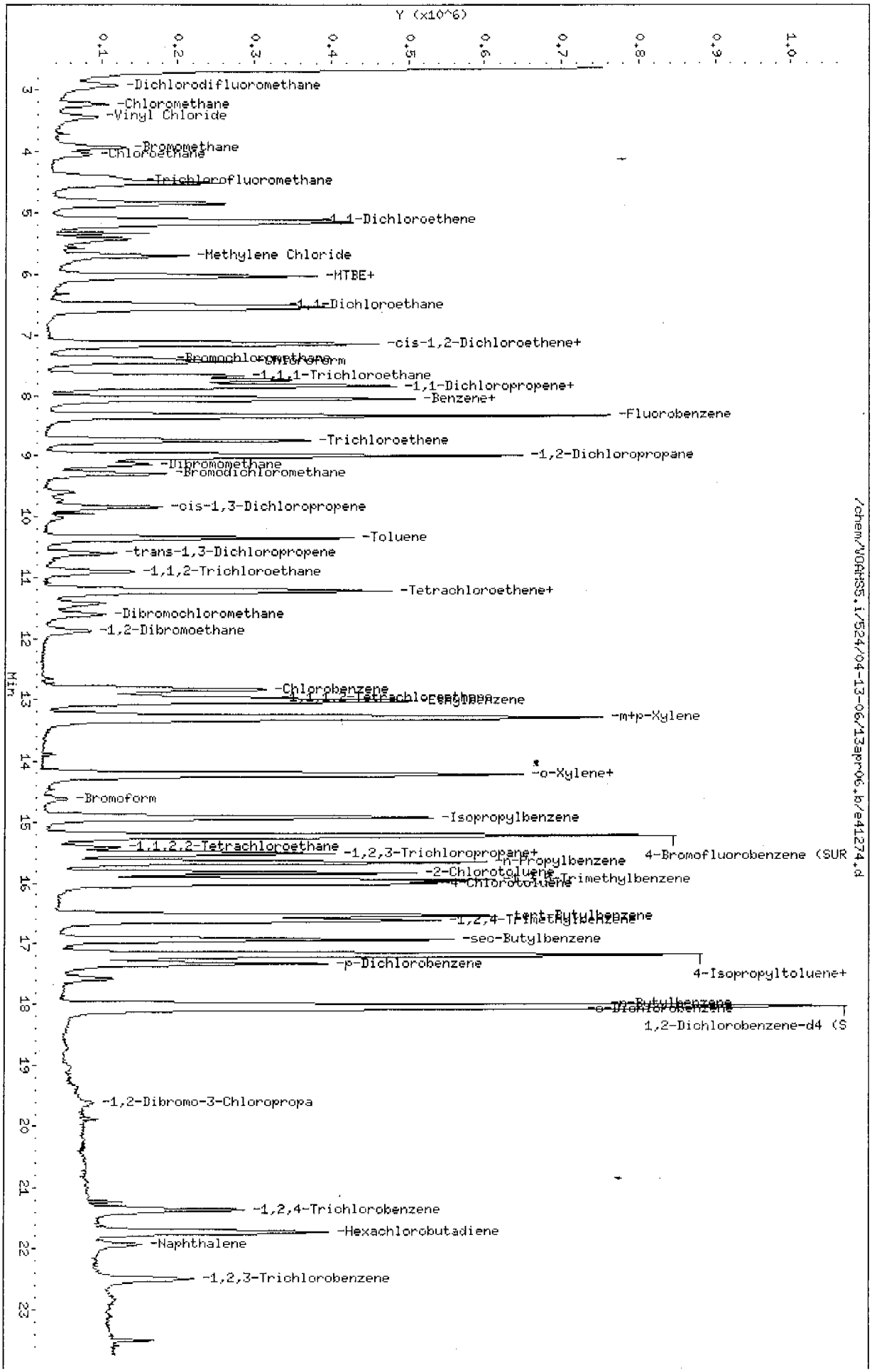
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 1 Dichlorodifluoromethane | 85 | 2.925 | 2.939 | (0.351) | 247696 | 2.01395 | 2.0 |
| 3 Chloromethane | 50 | 3.233 | 3.247 | (0.388) | 174474 | 1.90554 | 1.9 |
| 4 Vinyl Chloride | 62 | 3.424 | 3.438 | (0.411) | 185548 | 2.02831 | 2.0 |
| 5 Bromomethane | 94 | 3.937 | 3.951 | (0.472) | 163827 | 2.04106 | 2.0 |
| 6 Chloroethane | 64 | 4.054 | 4.069 | (0.486) | 133139 | 2.13257 | 2.1 |
| 7 Trichlorofluoromethane | 101 | 4.465 | 4.479 | (0.535) | 347548 | 2.08166 | 2.1 |
| 8 1,1-Dichloroethene | 61 | 5.111 | 5.140 | (0.613) | 327840 | 2.31020 | 2.3 |
| 9 Methylene Chloride | 84 | 5.698 | 5.712 | (0.683) | 151427 | 2.41384 | 2.4 |
| 110 MTBE | 73 | 6.021 | 6.035 | (0.722) | 218456 | 2.14592 | 2.1 |
| 10 trans-1,2-Dichloroethene | 96 | 6.035 | 6.050 | (0.724) | 209984 | 2.17407 | 2.2 |
| 11 1,1-Dichloroethane | 63 | 6.505 | 6.519 | (0.780) | 397551 | 2.22784 | 2.2 |
| 12 cis-1,2-Dichloroethene | 96 | 7.121 | 7.136 | (0.854) | 193590 | 2.10541 | 2.1 |
| 13 2,2-Dichloropropane | 77 | 7.135 | 7.151 | (0.856) | 330317 | 2.21643 | 2.2 |
| 14 Bromochloromethane | 128 | 7.370 | 7.386 | (0.884) | 81934 | 2.29070 | 2.3 |
| 15 Chloroform | 83 | 7.429 | 7.444 | (0.891) | 358921 | 2.18704 | 2.2 |
| 16 1,1,1-Trichloroethane | 97 | 7.664 | 7.680 | (0.919) | 351741 | 2.20181 | 2.2 |

Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41274.d
Report Date: 19-Apr-2006 10:20

| | | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|---|
| | 17 | 1,1-Dichloropropene | 75 | 7.825 | 7.841 | (0.938) | 284740 | 1.97993 | 2.0 |
| | 18 | Carbon Tetrachloride | 117 | 7.855 | 7.870 | (0.942) | 293000 | 1.95658 | 2.0 |
| | 19 | Benzene | 78 | 8.060 | 8.062 | (0.967) | 574147 | 2.20728 | 2.2 |
| | 20 | 1,2-Dichloroethane | 62 | 8.045 | 8.062 | (0.965) | 137455 | 2.25056 | 2.2 |
| * | 2 | Fluorobenzene | 96 | 8.339 | 8.343 | (1.000) | 1377579 | 5.00000 | |
| | 21 | Trichloroethene | 95 | 8.749 | 8.757 | (1.049) | 253432 | 2.13909 | 2.1 |
| | 22 | 1,2-Dichloropropane | 63 | 8.999 | 9.008 | (1.079) | 208258 | 2.25464 | 2.2 |
| | 23 | Dibromomethane | 93 | 9.145 | 9.156 | (1.097) | 90544 | 2.20601 | 2.2 |
| | 24 | Bromodichloromethane | 83 | 9.292 | 9.318 | (1.114) | 221008 | 1.88999 | 1.9 |
| | 25 | cis-1,3-Dichloropropene | 75 | 9.850 | 9.865 | (1.181) | 200648 | 2.01471 | 2.0 |
| | 26 | Toluene | 92 | 10.348 | 10.366 | (1.241) | 418163 | 2.17296 | 2.2 |
| | 27 | trans-1,3-Dichloropropene | 75 | 10.597 | 10.618 | (1.271) | 128154 | 1.95071 | 2.0 |
| | 28 | 1,1,2-Trichloroethane | 83 | 10.905 | 10.913 | (1.308) | 95744 | 2.49345 | 2.5 |
| | 29 | Tetrachloroethene | 166 | 11.213 | 11.238 | (1.345) | 295747 | 2.03808 | 2.0 |
| | 30 | 1,3 Dichloropropane | 76 | 11.199 | 11.208 | (1.343) | 164376 | 2.11648 | 2.1 |
| | 31 | Dibromochloromethane | 129 | 11.610 | 11.622 | (1.392) | 104329 | 1.63776 | 1.6 |
| | 32 | 1,2-Dibromoethane | 107 | 11.888 | 11.889 | (1.426) | 129739 | 2.16693 | 2.2 |
| | 33 | Chlorobenzene | 112 | 12.841 | 12.850 | (1.540) | 510662 | 2.20591 | 2.2 |
| | 34 | 1,1,1,2-Tetrachloroethane | 131 | 12.973 | 12.983 | (1.556) | 209022 | 2.15924 | 2.2 |
| | 35 | Ethylbenzene | 91 | 13.032 | 13.042 | (1.563) | 921784 | 2.17320 | 2.2 |
| M | 38 | Xylene (Total) | 100 | | | | 985802 | 6.38213 | 6.4 |
| | 36 | m+p-Xylene | 106 | 13.296 | 13.310 | (1.594) | 683104 | 4.28985 | 4.3 |
| | 37 | o-Xylene | 106 | 14.205 | 14.210 | (1.703) | 302698 | 2.08881 | 2.1 |
| | 39 | Styrene | 104 | 14.234 | 14.239 | (1.707) | 386254 | 1.83060 | 1.8 |
| | 40 | Bromoform | 173 | 14.615 | 14.625 | (1.753) | 35125 | 1.48779 | 1.5 |
| | 41 | Isopropylbenzene | 105 | 14.923 | 14.921 | (1.790) | 928994 | 2.05355 | 2.0 |
| $ | 42 | 4-Bromofluorobenzene (SUR) | 95 | 15.217 | 15.215 | (1.825) | 794896 | 5.04874 | 5.0 |
| | 43 | 1,1,2,2-Tetrachloroethane | 83 | 15.423 | 15.423 | (1.850) | 111592 | 2.15433 | 2.2 |
| | 45 | 1,2,3 Trichloropropane | 110 | 15.525 | 15.526 | (1.862) | 28132 | 2.13733 | 2.1 |
| | 44 | Bromobenzene | 156 | 15.525 | 15.526 | (1.862) | 195920 | 2.12045 | 2.1 |
| | 46 | n-Propylbenzene | 91 | 15.658 | 15.660 | (1.878) | 1114767 | 2.09292 | 2.1 |
| | 47 | 2-Chlorotoluene | 91 | 15.834 | 15.837 | (1.899) | 660507 | 2.14560 | 2.1 |
| | 48 | 1,3,5-Trimethylbenzene | 105 | 15.952 | 15.956 | (1.913) | 707121 | 2.08939 | 2.1 |
| | 49 | 4-Chlorotoluene | 91 | 16.011 | 16.016 | (1.920) | 726618 | 2.12073 | 2.1 |
| | 50 | tert-Butylbenzene | 119 | 16.539 | 16.535 | (1.983) | 794139 | 2.09068 | 2.1 |
| | 51 | 1,2,4-Trimethylbenzene | 105 | 16.628 | 16.624 | (1.994) | 691577 | 2.13886 | 2.1 |
| | 52 | sec-Butylbenzene | 105 | 16.936 | 16.935 | (2.031) | 949877 | 1.95065 | 2.0 |
| | 54 | 4-Isopropyltoluene | 119 | 17.201 | 17.202 | (2.063) | 882537 | 2.05049 | 2.0 |
| | 53 | m-Dichlorobenzene | 146 | 17.171 | 17.172 | (2.059) | 370145 | 2.06528 | 2.1 |
| | 55 | p-Dichlorobenzene | 146 | 17.333 | 17.334 | (2.079) | 361990 | 2.08303 | 2.1 |
| | 56 | n-Butylbenzene | 91 | 17.994 | 18.000 | (2.158) | 787046 | 1.97583 | 2.0 |
| $ | 57 | 1,2-Dichlorobenzene-d4 (SUR) | 152 | 18.039 | 18.045 | (2.163) | 456207 | 5.01828 | 5.0 |
| | 58 | o-Dichlorobenzene | 146 | 18.068 | 18.074 | (2.167) | 288880 | 2.10993 | 2.1 |
| | 59 | 1,2-Dibromo-3-Chloropropane | 75 | 19.611 | 19.626 | (2.352) | 12947 | 2.19658 | 2.2 |
| | 60 | 1,2,4-Trichlorobenzene | 180 | 21.361 | 21.361 | (2.562) | 176906 | 1.84526 | 1.8 |
| | 61 | Hexachlorobutadiene | 225 | 21.729 | 21.717 | (2.606) | 174603 | 1.96045 | 2.0 |
| | 62 | Naphthalene | 128 | 21.936 | 21.925 | (2.631) | 173924 | 1.95728 | 2.0 |

Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41274.d
Report Date: 19-Apr-2006 10:20

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 63 1,2,3-Trichlorobenzene | 180 | 22.495 | 22.489 | (2.698) | 119442 | 1.82955 | 1.8 |


Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
Min
-Dichlorodifluoromethane
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-1,1-Dichloroethene
-Methylene Chloride
-MTBE+
-1,1-Dichloroethane
-cis-1,2-Dichloroethene+
-Bromochloromethane
-Chloroform
-1,1,1-Trichloroethane
-1,1-Dichloropropene+
-Benzene+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane
-Dibromomethane
-Bromodichloromethane
-cis-1,3-Dichloropropene
-Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene+
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene
-1,1,1,2-Tetrachloroethane
-Ethylbenzene
-m+p-Xylene
-o-Xylene+
-Bromoform
-Isopropylbenzene
-1,1,2,2-Tetrachloroethane
-1,2,3-Trichloropropane+
-n-Propylbenzene
4-Bromofluorobenzene (SUR
-2-Chlorotoluene
-1,3,5-Trimethylbenzene
-4-Chlorotoluene
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-p-Dichlorobenzene
4-Isopropyltoluene+
-n-Butylbenzene
-o-Dichlorobenzene
1,2-Dichlorobenzene-d4 (S
-1,2-Dibromo-3-Chloropropa
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
/chem/VOAHS5.i/524/04-13-06/13apr06.b/e41274.d
Data File: /chem/VOAHS5.i/524/04-13-06/13apr06.b/e41274.d
Date : 13-APR-2006 13:03
Client ID: 1741BS
Sample Info: 1741BS
Purge Volume: 25.0
Column phase: DB624
Instrument: VOAHS5.i
Operator: VOAHS 5
Column diameter: 0.53

Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41286.d
Report Date: 19-Apr-2006 10:20

STL Edison

VOLATILE ORGANICS- METHOD 524.2

Data file : /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41286.d
Lab Smp Id: 1741BSD
Inj Date : 13-APR-2006 19:06
Operator : VOAMS 5 Inst ID: VOAMS5.i
Smp Info : 1741BSD
Misc Info :
Comment :
Method : /chem/VOAMS5.i/524/04-13-06/13apr06.b/524_2_05.m
Meth Date : 19-Apr-2006 10:20 lily Quant Type: ISTD
Cal Date : 13-APR-2006 10:25 Cal File: e41269.d
Als bottle: 22 QC Sample: BSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 524.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 25.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

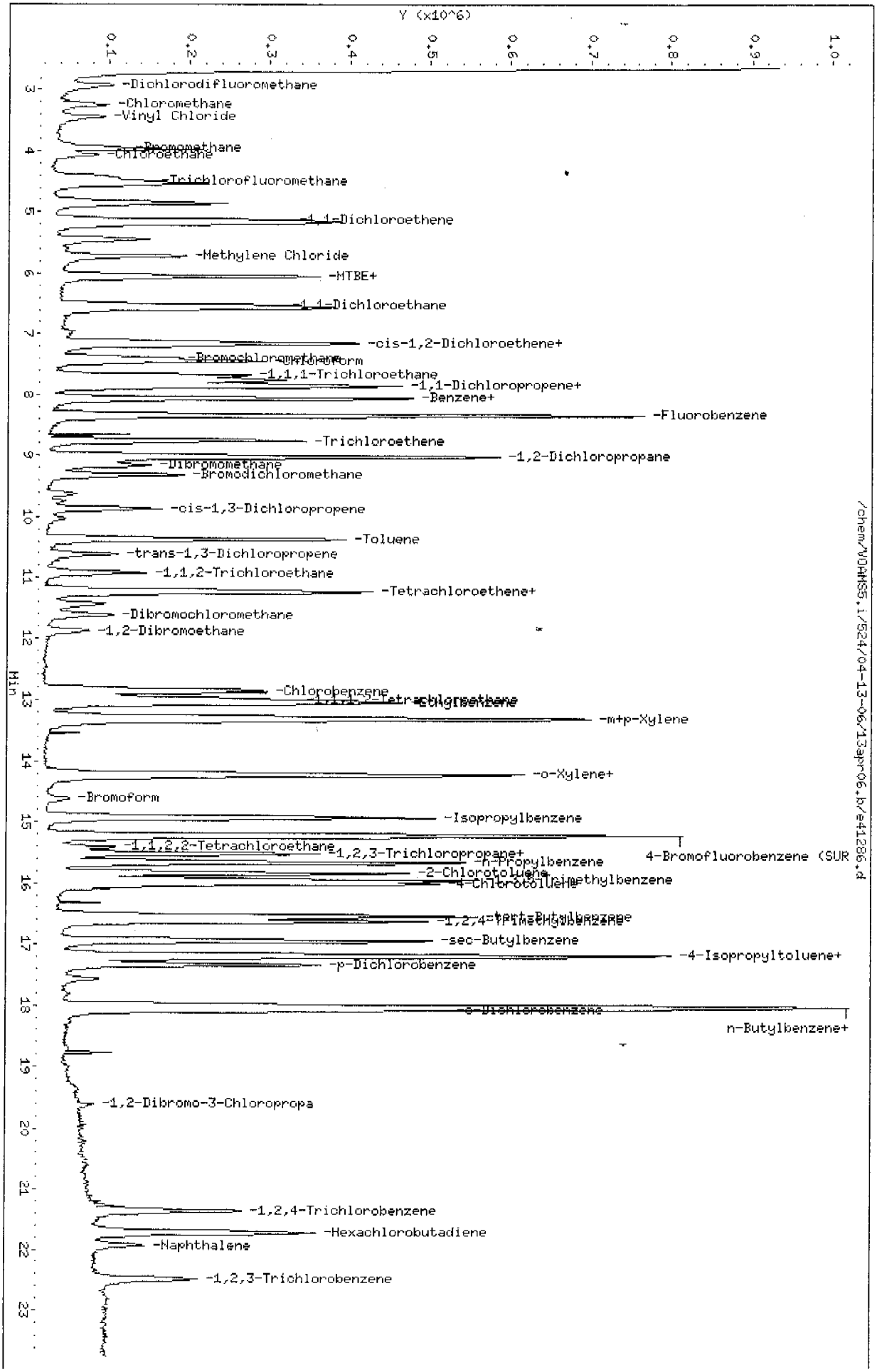
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 1 Dichlorodifluoromethane | 85 | 2.924 | 2.939 | (0.351) | 226681 | 1.86303 | 1.9 |
| 3 Chloromethane | 50 | 3.247 | 3.247 | (0.389) | 174388 | 1.92521 | 1.9 |
| 4 Vinyl Chloride | 62 | 3.438 | 3.438 | (0.412) | 178740 | 1.97503 | 2.0 |
| 5 Bromomethane | 94 | 3.951 | 3.951 | (0.474) | 159306 | 2.00621 | 2.0 |
| 6 Chloroethane | 64 | 4.068 | 4.069 | (0.488) | 120517 | 1.95128 | 2.0 |
| 7 Trichlorofluoromethane | 101 | 4.494 | 4.479 | (0.539) | 317881 | 1.92457 | 1.9 |
| 8 1,1-Dichloroethene | 61 | 5.124 | 5.140 | (0.615) | 313354 | 2.23202 | 2.2 |
| 9 Methylene Chloride | 84 | 5.711 | 5.712 | (0.685) | 136202 | 2.19464 | 2.2 |
| 110 MTBE | 73 | 6.034 | 6.035 | (0.724) | 201287 | 1.99866 | 2.0 |
| 10 trans-1,2-Dichloroethene | 96 | 6.049 | 6.050 | (0.725) | 200078 | 2.09392 | 2.1 |
| 11 1,1-Dichloroethane | 63 | 6.518 | 6.519 | (0.782) | 375799 | 2.12873 | 2.1 |
| 12 cis-1,2-Dichloroethene | 96 | 7.134 | 7.136 | (0.856) | 180824 | 1.98786 | 2.0 |
| 13 2,2-Dichloropropane | 77 | 7.149 | 7.151 | (0.857) | 243391 | 1.65083 | 1.6 |
| 14 Bromochloromethane | 128 | 7.399 | 7.386 | (0.887) | 74744 | 2.11230 | 2.1 |
| 15 Chloroform | 83 | 7.443 | 7.444 | (0.893) | 337737 | 2.08023 | 2.1 |
| 16 1,1,1-Trichloroethane | 97 | 7.677 | 7.680 | (0.921) | 329237 | 2.08325 | 2.1 |

Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41286.d
Report Date: 19-Apr-2006 10:20

| | | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|---|
| | 17 | 1,1-Dichloropropene | 75 | 7.839 | 7.841 | (0.940) | 264634 | 1.86003 | 1.9 |
| | 18 | Carbon Tetrachloride | 117 | 7.868 | 7.870 | (0.944) | 288885 | 1.94998 | 1.9 |
| | 19 | Benzene | 78 | 8.074 | 8.062 | (0.968) | 544113 | 2.11445 | 2.1 |
| | 20 | 1,2-Dichloroethane | 62 | 8.059 | 8.062 | (0.967) | 131124 | 2.17013 | 2.2 |
| * | 2 | Fluorobenzene | 96 | 8.338 | 8.343 | (1.000) | 1362832 | 5.00000 | |
| | 21 | Trichloroethene | 95 | 8.763 | 8.757 | (1.051) | 233837 | 1.99506 | 2.0 |
| | 22 | 1,2-Dichloropropane | 63 | 9.012 | 9.008 | (1.081) | 199085 | 2.17866 | 2.2 |
| | 23 | Dibromomethane | 93 | 9.159 | 9.156 | (1.099) | 84978 | 2.09281 | 2.1 |
| | 24 | Bromodichloromethane | 83 | 9.306 | 9.318 | (1.116) | 224322 | 1.93909 | 1.9 |
| | 25 | cis-1,3-Dichloropropene | 75 | 9.863 | 9.865 | (1.183) | 186053 | 1.88838 | 1.9 |
| | 26 | Toluene | 92 | 10.361 | 10.366 | (1.243) | 397753 | 2.08926 | 2.1 |
| | 27 | trans-1,3-Dichloropropene | 75 | 10.611 | 10.618 | (1.273) | 112785 | 1.73535 | 1.7 |
| | 28 | 1,1,2-Trichloroethane | 83 | 10.918 | 10.913 | (1.310) | 80827 | 2.12774 | 2.1 |
| | 29 | Tetrachloroethene | 166 | 11.241 | 11.238 | (1.348) | 271249 | 1.88948 | 1.9 |
| | 30 | 1,3-Dichloropropane | 76 | 11.212 | 11.208 | (1.345) | 157039 | 2.04389 | 2.0 |
| | 31 | Dibromochloromethane | 129 | 11.623 | 11.622 | (1.394) | 108066 | 1.71478 | 1.7 |
| | 32 | 1,2-Dibromoethane | 107 | 11.872 | 11.889 | (1.424) | 115674 | 1.95292 | 2.0 |
| | 33 | Chlorobenzene | 112 | 12.854 | 12.850 | (1.542) | 466238 | 2.03581 | 2.0 |
| | 34 | 1,1,1,2-Tetrachloroethane | 131 | 12.986 | 12.983 | (1.557) | 189246 | 1.97610 | 2.0 |
| | 35 | Ethylbenzene | 91 | 13.045 | 13.042 | (1.565) | 853171 | 2.03320 | 2.0 |
| M | 38 | Xylene (Total) | 100 | | | | 909054 | 5.94895 | 5.9 |
| | 36 | m+p-Xylene | 106 | 13.309 | 13.310 | (1.596) | 630428 | 4.00189 | 4.0 |
| | 37 | o-Xylene | 106 | 14.217 | 14.210 | (1.705) | 278626 | 1.94351 | 1.9 |
| | 39 | Styrene | 104 | 14.232 | 14.239 | (1.707) | 365013 | 1.74865 | 1.7 |
| | 40 | Bromoform | 173 | 14.613 | 14.625 | (1.753) | 34231 | 1.46561 | 1.5 |
| | 41 | Isopropylbenzene | 105 | 14.921 | 14.921 | (1.790) | 854993 | 1.91042 | 1.9 |
| $ | 42 | 4-Bromofluorobenzene (SUR) | 95 | 15.215 | 15.215 | (1.825) | 767510 | 4.92755 | 4.9 |
| | 43 | 1,1,2,2-Tetrachloroethane | 83 | 15.406 | 15.423 | (1.848) | 102506 | 2.00033 | 2.0 |
| | 45 | 1,2,3-Trichloropropane | 110 | 15.523 | 15.526 | (1.862) | 26452 | 2.03144 | 2.0 |
| | 44 | Bromobenzene | 156 | 15.523 | 15.526 | (1.862) | 175546 | 1.92050 | 1.9 |
| | 46 | n-Propylbenzene | 91 | 15.655 | 15.660 | (1.878) | 1008898 | 1.91465 | 1.9 |
| | 47 | 2-Chlorotoluene | 91 | 15.832 | 15.837 | (1.899) | 624864 | 2.05178 | 2.0 |
| | 48 | 1,3,5-Trimethylbenzene | 105 | 15.949 | 15.956 | (1.913) | 654216 | 1.95398 | 2.0 |
| | 49 | 4-Chlorotoluene | 91 | 16.008 | 16.016 | (1.920) | 657523 | 1.93984 | 1.9 |
| | 50 | tert-Butylbenzene | 119 | 16.537 | 16.535 | (1.983) | 720435 | 1.91716 | 1.9 |
| | 51 | 1,2,4-Trimethylbenzene | 105 | 16.625 | 16.624 | (1.994) | 606979 | 1.89754 | 1.9 |
| | 52 | sec-Butylbenzene | 105 | 16.933 | 16.935 | (2.031) | 870721 | 1.80745 | 1.8 |
| | 54 | 4-Isopropyltoluene | 119 | 17.198 | 17.202 | (2.063) | 800695 | 1.88047 | 1.9 |
| | 53 | m-Dichlorobenzene | 146 | 17.169 | 17.172 | (2.059) | 342659 | 1.93261 | 1.9 |
| | 55 | p-Dichlorobenzene | 146 | 17.330 | 17.334 | (2.079) | 332901 | 1.93637 | 1.9 |
| | 56 | n-Butylbenzene | 91 | 18.006 | 18.000 | (2.160) | 720604 | 1.82860 | 1.8 |
| $ | 57 | 1,2-Dichlorobenzene-d4 (SUR) | 152 | 18.036 | 18.045 | (2.163) | 437551 | 4.86514 | 4.9 |
| | 58 | o-Dichlorobenzene | 146 | 18.080 | 18.074 | (2.168) | 267031 | 1.97145 | 2.0 |
| | 59 | 1,2-Dibromo-3-Chloropropane | 75 | 19.622 | 19.626 | (2.353) | 13932 | 2.38927 | 2.4 |
| | 60 | 1,2,4-Trichlorobenzene | 180 | 21.357 | 21.361 | (2.561) | 169265 | 1.78466 | 1.8 |
| | 61 | Hexachlorobutadiene | 225 | 21.725 | 21.717 | (2.606) | 157217 | 1.78434 | 1.8 |
| | 62 | Naphthalene | 128 | 21.931 | 21.925 | (2.630) | 170116 | 1.93515 | 1.9 |

Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41286.d
Report Date: 19-Apr-2006 10:20

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 63 1,2,3-Trichlorobenzene | 180 | 22.490 | 22.489 | (2.697) | 118126 | 1.82897 | 1.8 |


Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
Min
-Dichlorodifluoromethane
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-1,1-Dichloroethene
-Methylene Chloride
-MTBE+
-1,1-Dichloroethane
-cis-1,2-Dichloroethene+
-Bromochloromethane
-Chloroform
-1,1,1-Trichloroethane
-1,1-Dichloropropene+
-Benzene+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane
-Dibromomethane
-Bromodichloromethane
-cis-1,3-Dichloropropene
-Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene+
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene
-Ethylbenzene
-m+p-Xylene
-o-Xylene+
-Bromoform
-Isopropylbenzene
-1,1,2,2-Tetrachloroethane
-1,2,3-Trichloropropane+
-n-Propylbenzene
4-Bromofluorobenzene (SUR
-2-Chlorotoluene
-4-Chlorotoluene
-1,3,5-Trimethylbenzene
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-4-Isopropyltoluene+
-p-Dichlorobenzene
-o-Dichlorobenzene
n-Butylbenzene+
-1,2-Dibromo-3-Chloropropa
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
/chem/VOAMS5.i/524/04-13-06/13apr06.b/e41286.d
Data File: /chem/VOAMS5.i/524/04-13-06/13apr06.b/e41286.d
Date : 13-APR-2006 19:06
Client ID:
Sample Info: 1741BSD
Purge Volume: 25.0
Column phase: DB624
Instrument: VOAMS5.i
Operator: VOAMS 5
Column diameter: 0.53

VOLATILE BLANK SPIKE/BLANK SPIKE DUPLICATE RECOVERY SUMMARY
METHOD 524.2

Matrix: WATER QA Batch: 1743

Level: DW

| Compound | SPIKE ADDED (ug/L) | BS % REC. | BSD % REC. | RPD |
|---|---|---|---|---|
| Acetone | 20 | 100 | 125 | 22.2 |
| 2-Butanone | 20 | 95 | 110 | 14.6 |
| 4-Methyl-2-pentanone | 20 | 105 | 110 | 4.7 |
| 2-Hexanone | 20 | 100 | 120 | 18.2 |
| Carbon Disulfide | 20 | 85 | 90 | 5.7 |
| Diethyl Ether | 20 | 100 | 110 | 9.5 |
| Iodomethane | 20 | 100 | 110 | 9.5 |
| Allyl Chloride | 20 | 95 | 115 | 19.0 |
| Acrylonitrile | 200 | 110 | 125 | 12.8 |
| Propionitrile | 200 | 110 | 110 | 0.0 |
| Methyl Acrylate | 20 | 100 | 110 | 9.5 |
| Methacrylonitrile | 20 | 100 | 110 | 9.5 |
| Tetrahydrofuran | 20 | 85 | 80 | 6.1 |
| 1-Chlorobutane | 20 | 100 | 115 | 14.0 |
| Methyl Methacrylate | 20 | 105 | 120 | 13.3 |
| 2-Nitropropane | 200 | 105 | 110 | 4.7 |
| Chloroacetonitrile | 200 | 95 | 100 | 5.1 |
| 1,1-Dichloropropanone | 20 | 100 | 120 | 18.2 |
| Ethyl Methacrylate | 20 | 110 | 120 | 8.7 |
| trans-1,4-Dichloro-2-but | 20 | 95 | 120 | 23.3 |
| Pentachloroethane | 20 | 100 | 105 | 4.9 |
| Hexachloroethane | 20 | 100 | 105 | 4.9 |
| Nitrobenzene | 200 | 80 | 85 | 6.1 |

* Values outside of QC limits

Data File: /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41275.d
Report Date: 19-Apr-2006 10:22

STL Edison

VOLATILE ORGANICS- METHOD 524.2

Data file : /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41275.d
Lab Smp Id: 1743BS-R4
Inj Date : 13-APR-2006 13:38
Operator : VOAMS 5 Inst ID: VOAMS5.i
Smp Info : 1743BS-R4
Misc Info :
Comment :
Method : /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/524R4_04.m
Meth Date : 19-Apr-2006 10:22 lily Quant Type: ISTD
Cal Date : 13-APR-2006 12:25 Cal File: e41273.d
Als bottle: 3 QC Sample: BS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

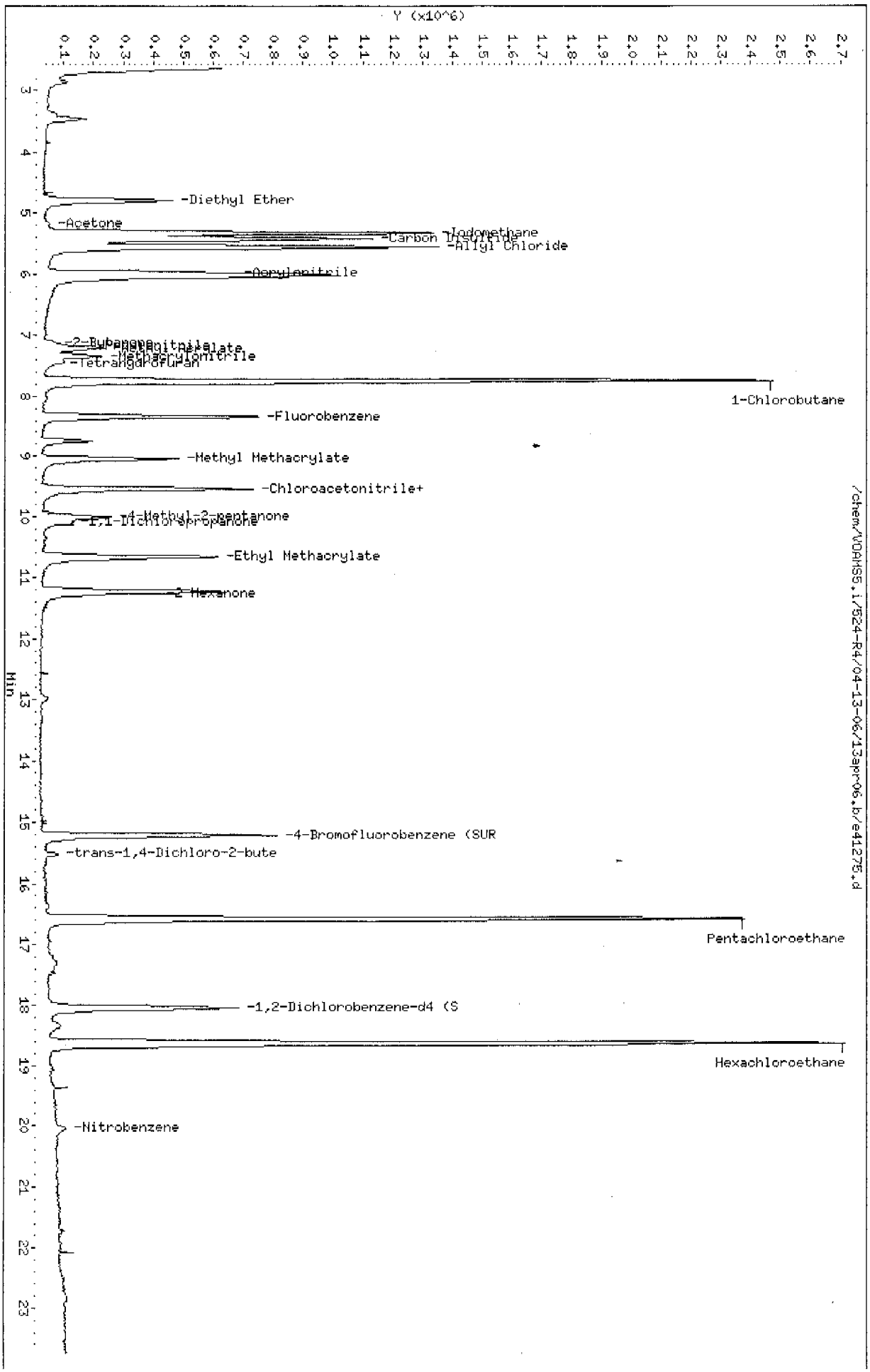
| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 25.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 125 Diethyl Ether | 59 | 4.797 | 4.801 | (0.575) | 646754 | 20.1532 | 20 |
| 113 Acetone | 43 | 5.179 | 5.197 | (0.621) | 51724 | 19.5699 | 20 |
| 126 Iodomethane | 142 | 5.326 | 5.329 | (0.639) | 3372381 | 20.4845 | 20 |
| 120 Carbon Disulfide | 76 | 5.414 | 5.432 | (0.649) | 3336657 | 17.2158 | 17 |
| 127 Allyl Chloride | 76 | 5.561 | 5.564 | (0.667) | 731466 | 19.0821 | 19 |
| 128 Acrylonitrile | 52 | 5.974 | 5.990 | (0.716) | 744542 | 218.745 | 220 |
| 114 2-Butanone | 43 | 7.120 | 7.135 | (0.854) | 163029 | 19.0761 | 19 |
| 129 Propionitrile | 54 | 7.179 | 7.194 | (0.861) | 280288 | 219.718 | 220 |
| 130 Methyl Acrylate | 55 | 7.208 | 7.208 | (0.864) | 462565 | 20.4464 | 20 |
| 131 Methacrylonitrile | 67 | 7.340 | 7.355 | (0.880) | 118729 | 19.9821 | 20 |
| 132 Tetrahydrofuran | 71 | 7.458 | 7.458 | (0.894) | 29227 | 17.1356 | 17 |
| 133 1-Chlorobutane | 56 | 7.752 | 7.751 | (0.929) | 3940034 | 20.1026 | 20 |
| * 2 Fluorobenzene | 96 | 8.341 | 8.338 | (1.000) | 1358466 | 5.00000 | |
| 134 Methyl Methacrylate | 69 | 9.046 | 9.057 | (1.085) | 420379 | 21.2050 | 21 |
| 136 Chloroacetonitrile | 48 | 9.531 | 9.556 | (1.143) | 41463 | 187.051 | 190 |
| 135 2-Nitropropane | 43 | 9.546 | 9.556 | (1.145) | 1255267 | 206.655 | 210 |

Data File: /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41275.d
Report Date: 19-Apr-2006 10:22

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 115 | 4-Methyl-2-pentanone | 43 | 10.015 | 10.025 | (1.201) | 474907 | 20.9765 | 21 |
| 137 | 1,1-Dichloropropanone | 43 | 10.103 | 10.113 | (1.211) | 346114 | 20.1257 | 20 |
| 138 | Ethyl Methacrylate | 69 | 10.661 | 10.670 | (1.278) | 869407 | 21.5227 | 22 |
| 119 | 2-Hexanone | 43 | 11.262 | 11.257 | (1.350) | 278210 | 20.1302 | 20 |
| $ 42 | 4-Bromofluorobenzene (SUR) | 95 | 15.220 | 15.215 | (1.825) | 774412 | 4.91216 | 4.9 |
| 139 | trans-1,4-Dichloro-2-butene | 53 | 15.513 | 15.524 | (1.860) | 30828 | 19.3355 | 19 |
| 140 | Pentachloroethane | 167 | 16.585 | 16.581 | (1.988) | 1091731 | 20.1394 | 20 |
| $ 57 | 1,2-Dichlorobenzene-d4 (SUR) | 152 | 18.043 | 18.037 | (2.163) | 432710 | 4.80283 | 4.8 |
| 141 | Hexachloroethane | 117 | 18.631 | 18.625 | (2.234) | 1949413 | 19.7857 | 20 |
| 142 | Nitrobenzene | 51 | 20.057 | 20.038 | (2.405) | 36709 | 165.379 | 160 |


Y (x10^6)
Min
-Diethyl Ether
-Acetone
-Carbon Disulfide
-Iodomethane
-Allyl Chloride
-Acrylonitrile
-2-Butanone
-Methacrylonitrile
-Tetrahydrofuran
1-Chlorobutane
-Fluorobenzene
-Methyl Methacrylate
-Chloroacetonitrile+
-4-Methyl-2-pentanone
-1,1-Dichloropropanone
-Ethyl Methacrylate
-2-Hexanone
-4-Bromofluorobenzene (SUR
-trans-1,4-Dichloro-2-bute
Pentachloroethane
-1,2-Dichlorobenzene-d4 (S
Hexachloroethane
-Nitrobenzene
/chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41275.d
Data File: /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41275.d
Date : 13-APR-2006 13:38
Client ID:
Sample Info: 174385-R4
Purge Volume: 25.0
Column phase: DB624
Instrument: VOAMS5.i
Operator: VOAMS 5
Column diameter: 0.53

Data File: /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41287.d
Report Date: 19-Apr-2006 10:23

STL Edison

VOLATILE ORGANICS- METHOD 524.2

Data file : /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41287.d
Lab Smp Id: 1743BSD-R4
Inj Date : 13-APR-2006 19:36
Operator : VOAMS 5 Inst ID: VOAMS5.i
Smp Info : 1743BSD-R4
Misc Info :
Comment :
Method : /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/524R4_04.m
Meth Date : 19-Apr-2006 10:22 lily Quant Type: ISTD
Cal Date : 13-APR-2006 12:25 Cal File: e41273.d
Als bottle: 23 QC Sample: BSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

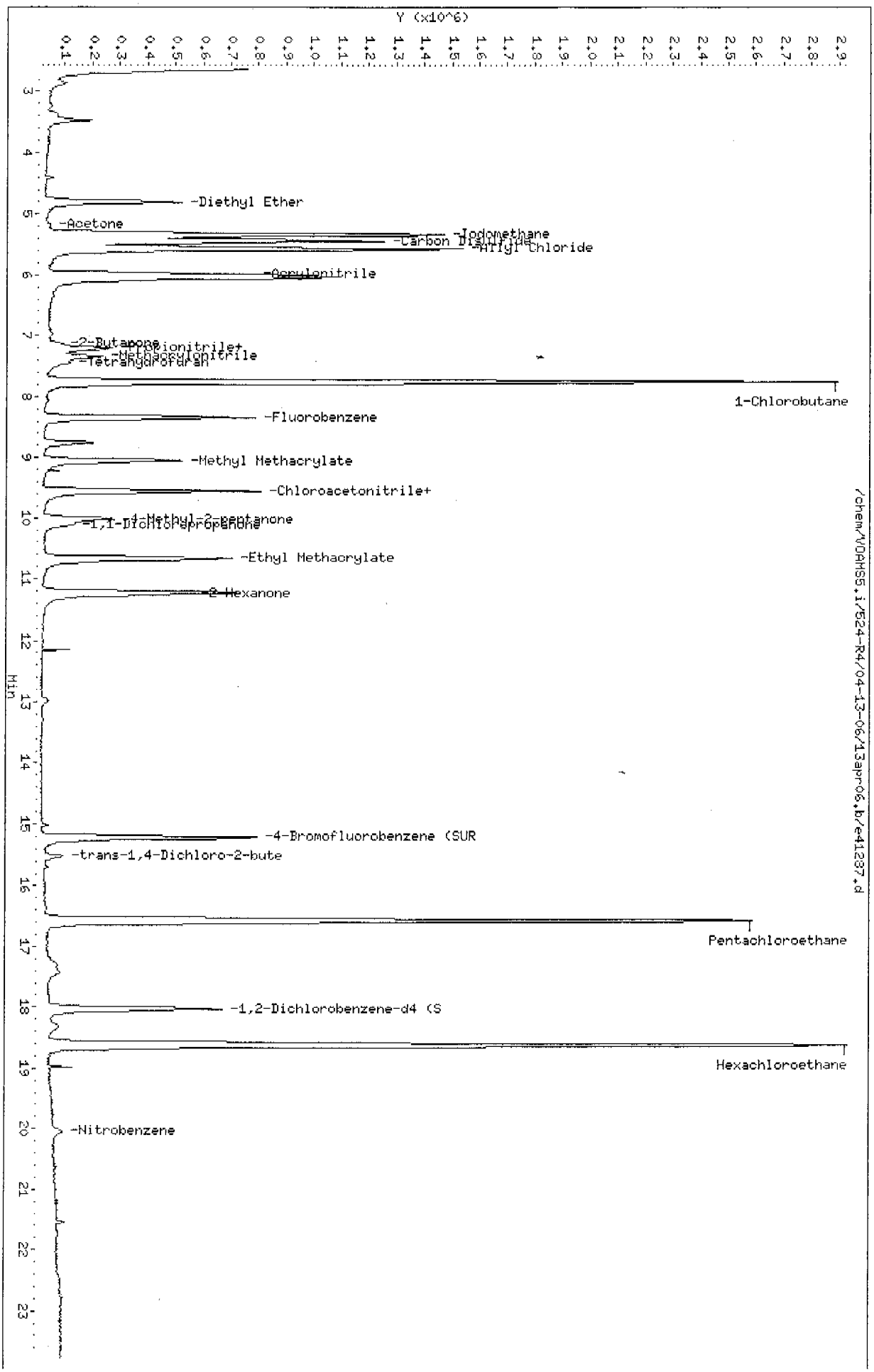
| Name | Value | Description |
|---|---|---|
| DF | 1.00000 | Dilution Factor |
| Vo | 25.00000 | Sample Volume |

Cpnd Variable Local Compound Variable

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 125 Diethyl Ether | 59 | 4.802 | 4.801 | (0.576) | 706002 | 21.8668 | 22 |
| 113 Acetone | 43 | 5.183 | 5.197 | (0.622) | 65948 | 24.8012 | 25 |
| 126 Iodomethane | 142 | 5.329 | 5.329 | (0.639) | 3583956 | 21.6385 | 22 |
| 120 Carbon Disulfide | 76 | 5.432 | 5.432 | (0.652) | 3527740 | 18.0920 | 18 |
| 127 Allyl Chloride | 76 | 5.564 | 5.564 | (0.667) | 872332 | 22.6197 | 23 |
| 128 Acrylonitrile | 52 | 5.990 | 5.990 | (0.718) | 851458 | 248.649 | 250 |
| 114 2-Butanone | 43 | 7.134 | 7.135 | (0.856) | 186429 | 21.6826 | 22 |
| 129 Propionitrile | 54 | 7.193 | 7.194 | (0.863) | 285794 | 222.684 | 220 |
| 130 Methyl Acrylate | 55 | 7.207 | 7.208 | (0.865) | 500775 | 22.0020 | 22 |
| 131 Methacrylonitrile | 67 | 7.339 | 7.355 | (0.880) | 133814 | 22.3851 | 22 |
| 132 Tetrahydrofuran | 71 | 7.442 | 7.458 | (0.893) | 27339 | 15.9321 | 16 |
| 133 1-Chlorobutane | 56 | 7.750 | 7.751 | (0.930) | 4516406 | 22.9044 | 23 |
| * 2 Fluorobenzene | 96 | 8.337 | 8.338 | (1.000) | 1366703 | 5.00000 | |
| 134 Methyl Methacrylate | 69 | 9.055 | 9.057 | (1.086) | 480091 | 24.0711 | 24 |
| 136 Chloroacetonitrile | 48 | 9.554 | 9.556 | (1.146) | 44581 | 199.905 | 200 |
| 135 2-Nitropropane | 43 | 9.554 | 9.556 | (1.146) | 1374415 | 224.906 | 220 |

Data File: /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41287.d
Report Date: 19-Apr-2006 10:23

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| 115 | 4-Methyl-2-pentanone | 43 | 10.023 | 10.025 | (1.202) | 499095 | 21.9120 | 22 |
| 137 | 1,1-Dichloropropanone | 43 | 10.111 | 10.113 | (1.213) | 411567 | 23.7874 | 24 |
| 138 | Ethyl Methacrylate | 69 | 10.668 | 10.670 | (1.280) | 970715 | 23.8858 | 24 |
| 119 | 2 Hexanone | 43 | 11.255 | 11.257 | (1.350) | 337769 | 24.2923 | 24 |
| $ 42 | 4-Bromofluorobenzene (SUR) | 95 | 15.211 | 15.215 | (1.825) | 769622 | 4.85236 | 4.8 |
| 139 | trans-1,4-Dichloro-2-butene | 53 | 15.520 | 15.524 | (1.862) | 38548 | 24.0318 | 24 |
| 140 | Pentachloroethane | 167 | 16.576 | 16.581 | (1.988) | 1172462 | 21.4983 | 21 |
| $ 57 | 1,2-Dichlorobenzene-d4 (SUR) | 152 | 18.031 | 18.037 | (2.163) | 430346 | 4.74781 | 4.7 |
| 141 | Hexachloroethane | 117 | 18.619 | 18.625 | (2.233) | 2095193 | 21.1372 | 21 |
| 142 | Nitrobenzene | 51 | 20.030 | 20.038 | (2.403) | 38594 | 172.823 | 170 |


Y (x10^6)
Min
-Diethyl Ether
-Acetone
-Iodomethane
-Carbon Disulfide
-Allyl Chloride
-Acrylonitrile
-2-Butanone
-Methacrylonitrile
-Tetrahydrofuran
1-Chlorobutane
-Fluorobenzene
-Methyl Methacrylate
-Chloroacetonitrile+
-4-Methyl-2-pentanone
-1,1-Dichloropropanone
-Ethyl Methaorylate
2-Hexanone
-4-Bromofluorobenzene (SUR
-trans-1,4-Dichloro-2-bute
Pentachloroethane
-1,2-Dichlorobenzene-d4 (S
Hexachloroethane
-Nitrobenzene
/chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41237.d
Data File: /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b/e41287.d
Date : 13-APR-2006 19:36
Client ID:
Sample Info: 1743BSD-R4
Purge Volume: 25.0
Column phase: IB624
Instrument: VOAMS5.i
Operator: VOAMS 5
Column diameter: 0.53

Internal Standard Area and RT Summary

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): E41266 Date Analyzed: 04/13/06

Instrument ID: VOAMS5 Time Analyzed: 0855

| | | IS1 AREA # | RT # | AREA # | RT # | AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 1406081 | 8.34 | | | | |
| | UPPER LIMIT | 2812162 | 8.84 | | | | |
| | LOWER LIMIT | 984257 | 7.84 | | | | |
| | LABORATORY SAMPLE NO. | | | | | | |
| 01 | 1741BS | 1377579 | 8.34 | | | | |
| 02 | EV103 | 1383070 | 8.35 | | | | |
| 03 | 1741BSD | 1362832 | 8.34 | | | | |
| 04 | | | | | | | |
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| 21 | | | | | | | |
| 22 | | | | | | | |

IS1 = Fluorobenzene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 30% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): E41266 Date Analyzed: 04/13/06

Instrument ID: VOAMS5 Time Analyzed: 0855

| | | IS1 AREA # | RT # | AREA # | RT # | AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 1406081 | 8.34 | | | | |
| | UPPER LIMIT | 2812162 | 8.84 | | | | |
| | LOWER LIMIT | 984257 | 7.84 | | | | |
| | LABORATORY SAMPLE NO. | | | | | | |
| 01 | EV103 | 1383070 | 8.35 | | | | |
| 02 | 725183 | 1354566 | 8.36 | | | | |
| 03 | | | | | | | |
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| 21 | | | | | | | |
| 22 | | | | | | | |

IS1 = Fluorobenzene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 30% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): E41270 Date Analyzed: 04/13/06

Instrument ID: VOAMS5 Time Analyzed: 1055

| | | IS1 AREA | # | RT | # | AREA | # | RT | # | AREA | # | RT | # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 1332934 | | 8.34 | | | | | | | | | |
| | UPPER LIMIT | 2665868 | | 8.84 | | | | | | | | | |
| | LOWER LIMIT | 933054 | | 7.84 | | | | | | | | | |
| | LABORATORY SAMPLE NO. | | | | | | | | | | | | |
| 01 | 1743BS-R4 | 1358466 | | 8.34 | | | | | | | | | |
| 02 | EV103A | 1401898 | | 8.35 | | | | | | | | | |
| 03 | 1743BSD-R4 | 1366703 | | 8.34 | | | | | | | | | |
| 04 | | | | | | | | | | | | | |
| 05 | | | | | | | | | | | | | |
| 06 | | | | | | | | | | | | | |
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| 21 | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | |

IS1 = Fluorobenzene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 30% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): E41270 Date Analyzed: 04/13/06

Instrument ID: VOAMS5 Time Analyzed: 1055

| | | IS1 AREA # | RT # | AREA # | RT # | AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 1332934 | 8.34 | | | | |
| | UPPER LIMIT | 2665868 | 8.84 | | | | |
| | LOWER LIMIT | 933054 | 7.84 | | | | |
| | LABORATORY SAMPLE NO. | | | | | | |
| 01 | EV103A | 1401898 | 8.35 | | | | |
| 02 | 725183 | 1376599 | 8.36 | | | | |
| 03 | | | | | | | |
| 04 | | | | | | | |
| 05 | | | | | | | |
| 06 | | | | | | | |
| 07 | | | | | | | |
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| 21 | | | | | | | |
| 22 | | | | | | | |

IS1 = Fluorobenzene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 30% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Injection Log Book

Q266

STL EDISON

ANALYTICAL INJECTION LOG SUMMARY

rument ID: VOAMS5.i

ytical Batch: /chem/VOAMS5.i/524/04-13-06/13apr06.b

Generated: 04/15/2006

1

| Date | Data File | ALS | Sample ID | Client ID | Job # | QA | IV/ IW | FV | Dil Fac | Sublist | LPB | PH | STD LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13/06 0758 | e41264.d | 2 | EBFB103 | | | | 0 | 0 | 1 | all | | | | |
| 13/06 0825 | e41265.d | 1 | ESTD005 | | | | 25 | 0 | 1 | all | | | 524.2 | G |
| 13/06 0855 | e41266.d | 2 | ESTD002 | | | | 25 | 0 | 1 | all | | | GAS 50: 194<br>MIX1 50: 197 | G |
| 13/06 0925 | e41267.d | 3 | ESTD001 | | | | 25 | 0 | 1 | all | | | MTBE/TF: 193<br>TBA: 192 | G |
| 13/06 0955 | e41268.d | 4 | ESTD040 | | | | 25 | 0 | 1 | all | | | 524R4: | G |
| 13/06 1025 | e41269.d | 5 | ESTD020 | | | | 25 | 0 | 1 | all | | | GAS BS: 196<br>8260BS: 153 | G |
| 13/06 1125 | e41271.d | 2 | BS | | | | 25 | 0 | 1 | 524 | | | 524R4 BS: | G |
| 13/06 1303 | e41274.d | 2 | 1741BS | | | | 25 | 0 | 1 | 524 | | | IS/SS: LB11753<br>BFB SS: | NG |
| 13/06 1408 | e41276.d | 12 | EV103 | EV103 | | | 25 | 0 | 1 | all | EV103 | | MISC: ethyl acetate<br>V06→08 | G |
| 13/06 1438 | e41277.d | 13 | 725159 C | T041106 | Q262 | 1741 | 25 | 0 | 1 | 524 | ↓ | 1.3 | | G |
| 13/06 1507 | e41278.d | 14 | 725158 E | 437LOCK | Q262 | 1741 | 25 | 0 | 1 | 524 | | 1.3 | | G |
| 13/06 1537 | e41279.d | 15 | 725163 C | 840SMST | Q264 | 1741 | 25 | 0 | 1 | 524 | | 1.3 | | G |
| 13/06 1607 | e41280.d | 16 | 725183 C | 441LOCK | Q266 | 1741 | 25 | 0 | 1 | 524 | | 1.3 | | G |
| 13/06 1637 | e41281.d | 17 | 725184 E | 481LOCK | Q267 | 1741 | 25 | 0 | 1 | 524 | | 1.3 | | G |

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ANALYTICAL INJECTION LOG SUMMARY

rument ID: VOAMS5.i

ytical Batch: /chem/VOAMS5.i/524/04-13-06/13apr06.b

Generated: 04/15/2006

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| Date | Data File | ALS | Sample ID | Client ID | Job # | QA | IV/ IW | FV | Dil Fac | Sublist | LPB | PH | STD LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13/06 1706 | e41282.d | 18 | 722683 C | 61564 | P732 | 1741 | 25 | 0 | 1 | MECL_EA | EV103 | 1.3 | | G |
| 13/06 1736 | e41283.d | 19 | 722684 C | 61565 | P732 | 1741 | 25 | 0 | 1 | MECL_EA | | 1.3 | | G |
| 13/06 1806 | e41284.d | 20 | 723169 F | MW-18-DTR | P836 | 1703 | 25 | 0 | 1 | BTEX_NAP | | 1.3 | | G |
| 13/06 1836 | e41285.d | 21 | 723168 F | MW-18-BRR | P836 | 1703 | 25 | 0 | 10 | BTEX_NAP | | 1.3 | | PR CID |
| 13/06 1906 | e41286.d | 22 | 1741BSD | | | | 25 | 0 | 1 | 524 | | | | G |

ed: _____ Read and Understood by: A. Gropyack

: 4/15/06 Date: 4-15-06

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ANALYTICAL INJECTION LOG SUMMARY

rument ID: VOAMS5.i

ytical Batch: /chem/VOAMS5.i/524-R4/04-13-06/13apr06.b

Generated: 04/15/2006

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| Date | Data File | ALS | Sample ID | Client ID | Job # | QA | IV/ IW | FV | Dil Fac | Sublist | LPB | PH | STD LOT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13/06 0758 | e41264a. | 2 | EBFB103a | | | | 0 | 0 | 1 | all | | | | G |
| i3/06 1055 | e41270.d | 6 | ESTD020-R4 | | | | 25 | 0 | 1 | all | | | 524.2 | G |
| L3/06 1155 | e41272.d | 3 | ESTD040-R4 | | | | 25 | 0 | 1 | all | | | GAS 50: | G |
| 13/06 1225 | e41273.d | 4 | ESTD005-R4 | | | | 25 | 0 | 1 | all | | | MIX1 50: | G |
| 13/06 1338 | e41275.d | 3 | 1743BS-R4 | | | | 25 | 0 | 1 | all | | | MTBE/TF: | G |
| 13/06 1408 | e41276a. | 12 | EV103A | EV103A | | | 25 | 0 | 1 | all | EV103A | | TBA: | G |
| 13/06 1438 | e41277a. | 13 | 725159 C | T041106 | Q262 | 1743 | 25 | 0 | 1 | all | | | 524R4: WG-154 GAS BS: | G |
| L3/06 1507 | e41278a. | 14 | 725158 E | 437LOCK | Q262 | 1743 | 25 | 0 | 1 | all | | | 8260BS: | G |
| L3/06 1537 | e41279a. | 15 | 725163 C | 840SMST | Q264 | 1743 | 25 | 0 | 1 | all | | | 524R4 BS: WG-153 IS/SS: | G |
| L3/06 1607 | e41280a. | 16 | 725183 C | 441LOCK | Q266 | 1743 | 25 | 0 | 1 | all | | | BFB SS: | G |
| L3/06 1637 | e41281a. | 17 | 725184 E | 481LOCK | Q267 | 1743 | 25 | 0 | 1 | all | | | MISC: | G |
| L3/06 1706 | e41282a. | 18 | 722683 C | 61564 | P732 | 1743 | 25 | 0 | 1 | ACE | | | | G |
| .3/06 1736 | e41283a. | 19 | 722684 C | 61565 | P732 | 1743 | 25 | 0 | 1 | ACE | | | | G |
| .3/06 1936 | e41287.d | 23 | 1743BSD-R4 | | | | 25 | 0 | 1 | all | | | | G |

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d: [signature] 4/15/06 Read and Understood by: [signature] 4-15-06

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